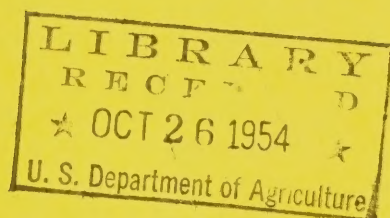


# **WILLIS NURSERY COMPANY**

**OTTAWA • KANSAS**

**Phone 25**



## **WHOLESALE PRICE LIST**

**FALL, 1954**

**SPRING, 1955**

*A Leading Nursery  
of the Middle West*



*"Your Wholesale Nurserymen"*  
*Since 1871*

## SHRUBS

All of our shrubs are field-grown and graded according to the standards of the American Association of Nurserymen. Sizes noted in the descriptions indicate average height of shrubs at maturity as given in "Hortus Second."

Tied 12 to 18 in., 25; 18 to 24 in., and 2 to 3 ft., 10; 3 to 4 ft., 5 per bundle.

### ALMOND, PINK FLOWERING

*Prunus glandulosa rosea*

This continues to be one of the aristocrats among flowering shrubs. Neat habit of growth, never gets out of bounds. Withstands high temperatures, extreme droughts and intense cold. In early spring before the leaves appear the stems are covered with double pink flowers, making it very showy and highly ornamental. Should be in every shrub border for early spring color. Excellent for foundation planting. Our plants won't sucker because they are grown on their own roots. 3 to 5 feet.

	Per 10	Per 100	Per 1000
2 to 2½ feet, own roots .....	6.00	55.00	—
18 to 24 inches, own roots .....	5.00	45.00	400.00
12 to 18 inches, own roots .....	3.50	30.00	250.00

**ALTHEA** (*Hibiscus syriacus*) **Rose of Sharon.** Bush form. Striking hollyhock-like flowers in late summer. 10 to 12 feet.

	Per 10	Per 100	Per 1000
<b>Anemone.</b> Double pink.			
2 to 3 feet .....	4.50	40.00	—
18 to 24 inches .....	3.50	30.00	—
<b>Banner.</b> Double white, red center.			
2 to 3 feet .....	4.50	40.00	—
18 to 24 inches .....	3.50	30.00	—
<b>Lucy.</b> Double red.			
2 to 3 feet .....	4.50	40.00	—
18 to 24 inches .....	3.50	30.00	—
<b>Purple.</b> Semi-double purple.			
2 to 3 feet .....	4.50	40.00	—
18 to 24 inches .....	3.50	30.00	—

### ARONIA (Chokeberry).

**Arbutifolia brilliantissima.** Attractive foliage, clusters of white to pink flowers followed by red berries. Bright autumn colors. 10 feet.

18 to 24 inches .....	5.00	45.00	—
12 to 18 inches .....	3.50	30.00	—

### MENTOR BARBERRY

*Berberis mentorensis*

This barberry is one of the best ever introduced for the south and southwest. It withstands drought and high temperatures and in the south is evergreen. In Kansas it frequently holds its foliage until February; in places protected from winter sun it will remain green all winter. The foliage is large, thick, leathery, very attractive; red fruits in the fall and winter. It grows very bushy and will reach a height of 5 or 6 feet. There have never been enough of these plants to go around, it is in such great demand.

	Per 10	Per 100
18 to 24 inches .....	8.50	80.00
15 to 18 inches .....	6.50	60.00
12 to 15 inches .....	5.00	45.00



**SHRUBS (Continued)****BARBERRY (Berberis).** Valuable for massing and for low hedging.

	Per 10	Per 100	Per 1000
<b>Red Leaf (B. thunbergi atropurpurea).</b> Variety of Japanese barberry with bright red foliage all summer, red berries in autumn. 6 to 8 feet.			
18 to 24 inches .....	6.00	55.00	—
18 to 24 inches light .....	4.50	40.00	—
15 to 18 inches .....	5.00	42.50	—
15 to 18 inches light .....	3.50	30.00	—
12 to 15 inches .....	4.00	37.50	—
9 to 21 inches .....	3.00	25.00	—

**Thunbergi (Japanese Barberry).** Low growing, spreading shrub with numerous thorns and attractive foliage that turns red in the fall. Yellow flowers and red berries. Fine for hedges and mass planting. This barberry does not carry wheat rust. 5 to 8 feet.

15 to 18 inches .....	3.50	30.00	—
12 to 15 inches .....	3.00	25.00	—

**BUCKTHORN (See Rhamnus)****Care of Butterfly Bush**

In order to get best results with Butterfly Bush (*Buddleia*), it is necessary to understand the nature of the plant. Butterfly Bush is not a shrub in the same sense as a snowball or lilac. Strictly speaking, it is a hardy perennial.

The tops of Butterfly Bush are perennial, like those of peonies and chrysanthemums. In other words, they die down to the crown every year. The following spring new tops are produced and the flowers are borne on the new wood. The tops should be cut off clear to the ground when the plants are set out. Mulch the crowns during the winter, and cut the tops back to the ground every spring.

**BUDDLEIA****Butterfly Bush**

The Butterfly Bushes are becoming more popular every year because of their usefulness in landscape planting. No shrub gives quicker results. Plant in the spring—have a full grown bush in full flower the same summer. Established plants start blooming in midsummer and continue until frost. Plant them in the rear of perennial beds for high background. Mix with shrubs for variety and color. They make good cut flowers for home use. Widely used by florists. Not only are the flowers showy, but they attract myriads of brightly colored butterflies that hover around them all day long.

Butterfly Bushes are handsome shrubs with long narrow leaves, grow 2 to 4 feet high in one season, and come in a wide range of color: red, purple, lavender, pink and white.

Butterfly Bushes like reasonably fertile well drained soil, and plenty of sunlight. In the northern two-thirds of the country the tops die down in the winter, but new tops are developed the next season and bloom the same year.

We offer you a selection of five of the very best varieties.

**Charming.** The most nearly pink Butterfly Bush we have seen. Large, rather open sprays on tall vigorous bushes.

	Per 10	Per 100	Per 1000
No. 1 .....	4.00	35.00	300.00
Medium .....	3.20	28.00	250.00
No. 2 .....	2.00	18.00	150.00

## SHRUBS (Continued)

## BUDDLEIA (Continued)

	Per 10	Per 100	Per 1000
<b>Dubonnet.</b> Live, reddish-purple, like the wine for which it is named. Extra long, full spikes. Continues to be one of the most popular.			
No. 1 .....	4.00	35.00	300.00
Medium .....	3.20	28.00	250.00
No. 2 .....	2.00	18.00	150.00
<b>Floralart.</b> Developed in New Mexico by Mr. A. C. Miller and introduced by us. In our opinion it has the best flower of all because nearly the whole spike blooms at one time. On most other varieties the bottom flowers are faded before the top flowers open. For this reason Floralart makes best cut flowers. Handsome orchid-lavender flowers in large, full, very compact spikes. Medium size bush.			
No. 1 .....	4.00	35.00	300.00
Medium .....	3.20	28.00	250.00
No. 2 .....	2.00	18.00	150.00
<b>Red.</b> As nearly red as you will find in Butterfly Bushes. This one is so good that we ought to give it a special name.			
No. 1 .....	4.50	40.00	350.00
Medium .....	3.50	30.00	275.00
No. 2 .....	2.50	20.00	180.00
<b>White Cloud.</b> Does not grow so large as other varieties but makes neat compact bush completely covered with well formed spikes of white flowers. Especially good in borders and for cut flowers.			
No. 1 .....	4.50	40.00	350.00
Medium .....	3.50	30.00	275.00
No. 2 .....	2.50	20.00	180.00

Stock some of each of these Butterfly Bushes—give your customers a choice.

**CALLICARPA DICHOTOMA (Purpurea) Purple Beautyberry.** Large showy clusters of lavender-purple berries, pink flowers. 4 feet.

2 to 3 feet .....	5.50	50.00	450.00
18 to 24 inches .....	4.00	35.00	300.00
12 to 18 inches .....	3.50	30.00	250.00

**CARYOPTERIS INCANA, BLUE MIST (Blue Beard, Blue Spirea).** Compact, low-growing shrub, covered with masses of powdery-blue flowers from August to frost. Tops are perennial like Butterfly Bush. 5 feet.

No. 1 .....	4.00	35.00	—
Medium .....	3.00	25.00	—

**CERCIS CANADENSIS (Redbud).** Shrub form. Heart shaped leaves; rosy-red flowers in spring.

3 to 4 feet .....	8.50	80.00	—
2 to 3 feet .....	6.00	55.00	—
18 to 24 inches .....	4.50	40.00	—

**CORNUS (Dogwood).**

**Alba Sibirica (Coral Dogwood).** Coral-red branches, white flowers, blue berries. Especially attractive in winter. 10 feet.

18 to 24 inches .....	4.50	40.00	—
12 to 18 inches .....	3.00	25.00	—

**Paniculata (Racemosa) Gray Dogwood.** Handsome shrub with gray branches, and white flowers in panicles in May-June. White fruits on red stems in fall. 6 to 15 feet.

18 to 24 inches .....	4.50	40.00	—
12 to 18 inches .....	3.50	30.00	—

**Sanguinea (Bloodtwig Dogwood).** Purple or red branches, large clusters white flowers, black fruit. Excellent for winter color. 12 feet.

18 to 24 inches .....	4.50	40.00	—
12 to 18 inches .....	3.00	25.00	—



## SHRUBS (Continued)

**COTINUS COGGYGRIA (Smoke Tree or Purple Fringe.)** Rapid growing, highly ornamental shrubs with large panicles of smoky purple flowers.

15 feet.	Per 10	Per 100	Per 1000
3 to 4 feet	11.00	100.00	—
2 to 3 feet	7.50	70.00	—
18 to 24 inches	5.50	50.00	—

**COTONEASTER**

**Acutifolia (Peking Cotoneaster).** Slender, spreading branches, pinkish flowers. Black berries in fall. Desirable for individual specimens, shrub groups, or for hedges. Thrives from Texas to North Dakota.

12 feet.			
2 to 3 feet	5.00	45.00	400.00
18 to 24 inches	4.00	35.00	300.00
12 to 18 inches	3.00	25.00	—

**Divaricata.** Handsome shrub with small dark green leaves, slender spreading branches, pink flowers, red berries; almost evergreen.

6 feet.			
2 to 3 feet	8.50	75.00	—
18 to 24 inches	5.50	50.00	—

**FLOWERING QUINCE  
GLOWING-EMBER (Trade Mark)**

**Chaenomeles lagenaria (Formerly Cydonia japonica)**

We are proud to be the introducers of this superior strain of flowering Quince. It took many years of observation and selection to come up with this upright growing shrub of uniform habit, with brilliant red flowers. It is grown from cuttings of course, in order to perpetuate these desirable characteristics. 10 feet.

	Per 10	Per 100	Per 1000
2 to 2½ feet	5.00	45.00	400.00
18 to 24 inches	4.00	35.00	300.00
12 to 18 inches	3.00	25.00	—

**DESMODIUM PENDULIFLORUM (Lespedeza formosum).** Purple Bush-clover. Perennial herbaceous shrub with gracefully arching branches. Covered with reddish purple flowers in September. Very desirable especially for the late blooming habit.

	Per 10	Per 100	Per 1000
No. 1	5.50	50.00	—
Medium	4.00	35.00	—

**DEUTZIA GRACILIS.** Slender Deutzia. Dwarf, free blooming shrub. Small pure white flowers in May. 3 feet.

12 to 15 inches	4.50	40.00	—
9 to 12 inches	3.00	25.00	—

**DEUTZIA GRACILIS ROSEA.** Pink flowering variety similar to Deutzia gracilis, but stronger grower. 4 feet.

18 to 24 inches	6.50	60.00	—
15 to 18 inches	5.50	50.00	—

**ELAEAGNUS ANGUSTIFOLIA (Russian Olive).** Very hardy, silvery leaves, fragrant flowers. Fruit is silvery yellow. 20 feet.

4 to 5 feet	8.50	80.00	—
3 to 4 feet	6.50	60.00	—
2 to 3 feet	5.00	45.00	—

**ELDER, GOLDEN (Sambucus aurea).** Golden-yellow leaves, large clusters of white flowers. Red fruits. 12 feet.

2 to 3 feet	5.50	50.00	—
18 to 24 inches	4.00	35.00	—





### NIKKO BLUE HYDRANGEA

#### The Most Beautiful Hardy Blue Hydrangea

Every year we have to disappoint many of our customers whose orders are received too late. Order today to be sure of your supply.

Blue Hydrangeas are not new to American horticulture, but most of them have been tender varieties grown in greenhouses, and occasionally planted in gardens.

Now we have Nikko Blue, both hardy and beautiful. It has withstood temperatures of 20 degrees below zero. The tops die down to the ground every winter, but give them a little mulch protection and the crowns will grow into bushy shrubs in one season, 2 to 4 feet tall with attractive, luxuriant foliage and great masses of flowers.

Because the flowers are borne on the new wood, you get blooms every year, and lots of them. It is not at all unusual to see flower heads more than a foot across and the shrub completely covered with them—a wonderful show.

In alkaline soil the flowers are pink; in acid they are blue. It's easy to change alkaline soil into acid with aluminum sulphate (two tablespoons to a gallon of water).

There is a real vogue for Nikko Blue Hydrangeas. They are used for:

**Perennial Borders**  
**Shrub Borders**  
**Lawn Specimens**  
**Planting in Tubs and Boxes**  
**Foundation Plantings**

Be prepared to supply your customers. Our plants are especially nice this year—strong, 2-year-old crowns with numerous stems.

	Per 10	Per 100
No. 1 .....	9.00	85.00
Medium .....	7.50	70.00



## SHRUBS (Continued)



Meehan strain of Peegee in bloom

**KOELREUTERIA PANICULATA** (See Shade Trees).**KOLKWITZIA AMABILIS** (Beauty Bush). A graceful shrub covered with small pink flowers in May. 6 to 8 feet.

	Per 10	Per 100	Per 1000
18 to 24 inches .....	5.50	50.00	—
12 to 18 inches .....	3.50	30.00	—

**LESPEDEZA FORMOSUM** (See Desmodium)**LILACS** (*Syringa*).**Rothomagensis** (Chinese Lilac). Vigorous grower with slender arching branches; dependable bloomer. Large, broad flower heads of reddish-purple. Excellent for screens, hedges or specimens. 15 feet.

2 to 3 feet .....	5.50	50.00	450.00
18 to 24 inches .....	4.50	40.00	350.00
12 to 18 inches .....	3.50	30.00	—

**Rothomagensis, Pink.** Selected strain with beautiful pink flowers.

2 to 3 feet .....	5.50	50.00	—
18 to 24 inches .....	4.50	40.00	—
12 to 18 inches .....	3.50	30.00	—

**Rothomagensis, White.** White flowering variety of Rothomagensis.

2 to 3 feet .....	6.50	60.00	—
18 to 24 inches .....	5.00	45.00	—

**Vulgaris.** (Common or Old-fashioned Lilac). Hardy, popular shrub. Purplish flowers in large panicles. April-May. 12 to 18 feet.

2 to 3 feet .....	5.50	50.00	450.00
18 to 24 inches .....	4.50	40.00	350.00
12 to 18 inches .....	3.50	30.00	250.00

**French Lilac.** Named varieties

18 to 24 inches .....	6.50	60.00	—
12 to 18 inches .....	4.50	40.00	—
9 to 12 inches .....	3.20	28.00	—

See next page for varieties.





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Because the flowers are borne on the new wood, you get blooms every year, and lots of them. It is not at all unusual to see flower heads more than a foot across and the shrub completely covered with them—a wonderful show.

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**Shrub Borders**

**Lawn Specimens**

**Planting in Tubs and Boxes**

**Foundation Plantings**

Be prepared to supply your customers. Our plants are especially nice this year—strong, 2-year-old crowns with numerous stems.

	Per 10	Per 100
No. 1 .....	9.00	85.00
Medium .....	7.50	70.00



## SHRUBS (Continued)



Meehan strain of Peegee in bloom

**KOELREUTERIA PANICULATA** (See Shade Trees).

**KOLKWITZIA AMABILIS** (Beauty Bush). A graceful shrub covered with small pink flowers in May. 6 to 8 feet.

	Per 10	Per 100	Per 1000
18 to 24 inches .....	5.50	50.00	—
12 to 18 inches .....	3.50	30.00	—

**LESPEDEZA FORMOSUM** (See Desmodium)**LILACS** (Syringa).

**Rothomagensis** (Chinese Lilac). Vigorous grower with slender arching branches; dependable bloomer. Large, broad flower heads of reddish-purple. Excellent for screens, hedges or specimens. 15 feet.

2 to 3 feet .....	5.50	50.00	450.00
18 to 24 inches .....	4.50	40.00	350.00
12 to 18 inches .....	3.50	30.00	—

**Rothomagensis, Pink.** Selected strain with beautiful pink flowers.

2 to 3 feet .....	5.50	50.00	—
18 to 24 inches .....	4.50	40.00	—
12 to 18 inches .....	3.50	30.00	—

**Rothomagensis, White.** White flowering variety of Rothomagensis.

2 to 3 feet .....	6.50	60.00	—
18 to 24 inches .....	5.00	45.00	—

**Vulgaris.** (Common or Old-fashioned Lilac). Hardy, popular shrub. Purplish flowers in large panicles. April-May. 12 to 18 feet.

2 to 3 feet .....	5.50	50.00	450.00
18 to 24 inches .....	4.50	40.00	350.00
12 to 18 inches .....	3.50	30.00	250.00

**French Lilac. Named varieties**

18 to 24 inches .....	6.50	60.00	—
12 to 18 inches .....	4.50	40.00	—
9 to 12 inches .....	3.20	28.00	—

See next page for varieties.

**SHRUBS (Continued)****FRENCH LILACS (Continued)**

	s-Single	d-Double	x-indicates grades available		
			18-24"	12-18"	9-12"
Charles Joly, d, reddish-purple			x	x	x
Charles X, s, reddish-purple			x	x	x
Hugo de Vries, d, reddish-purple			x	x	x
Hugo Koster, s, lilac			x	x	x
Ludwig Spaeth, s, deep purple			x	x	x
Mme. Casimir Perrier, d, white			x	x	x
Mme. Lemoine, d, white			x	x	x
Mme. Florent Stepman, s, white			x	x	x
Michel Buchner, d, lilac			x	x	x

Per 10 Per 100 Per 1000

<b>MOSS LOCUST (Rose Acacia) Robinia hispida.</b> Large clusters of pink sweetpea flowers in spring. These are grafted plants of a superior strain.					
3 to 4 feet	-----	7.00	65.00	-----	
2 to 3 feet	-----	5.50	50.00	-----	

**PHILADELPHUS (Mockorange).**

**Avalanche.** Graceful, strong growing shrub with narrow leaves. Blooms freely. White flowers in clusters. Charming fragrance. 6 feet.

2 to 3 feet	-----	5.50	50.00	-----	
18 to 24 inches	-----	4.50	40.00	-----	

**Coronarius (Sweet Mockorange).** A well-known, popular, hardy shrub. Fragrant white flowers in May and June. Vigorous grower. 10 feet.

2 to 3 feet	-----	5.50	50.00	-----	
18 to 24 inches	-----	4.50	40.00	-----	
12 to 18 inches	-----	3.50	30.00	250.00	

**Enchantress.** Double white flowers, in thick panicles similar to Bouquet Blanc. 7 to 8 feet.

18 to 24 inches	-----	4.50	40.00	-----	
12 to 18 inches	-----	3.50	30.00	-----	

**Minnesota Snowflake** (Plant Patent No. 538). Very double flowers of white. Blooms several times during season. As hardy as it is beautiful. Coming from Minnesota, you may be sure it will survive the most rugged winters. Very profuse blooming, and the flowers are unusually sweet-scented. The bush grows symmetrically and very quickly. Thrives in ordinary soil, in either sun or shade. Far superior to Virginalis or any strain—an extraordinarily good Mock Orange.

3 to 4 feet	-----	10.00	90.00	-----	
2 to 3 feet	-----	7.50	70.00	-----	
18 to 24 inches	-----	6.50	60.00	-----	

**Virginalis (Virginal Mockorange).** Bushy symmetrical shrubs with semi-double white fragrant flowers. Prolific bloomer May-June. 7 to 8 feet.

3 to 4 feet	-----	8.00	75.00	-----	
2 to 3 feet	-----	6.50	60.00	550.00	
18 to 24 inches	-----	5.00	45.00	400.00	
12 to 18 inches	-----	3.50	30.00	250.00	

**PRIVET (See Hedge Plants).****PRUNUS**

✓ **Tomentosa (Manchu or Nanking Cherry).** Large white flowers just before the leaves appear; attractive serrate foliage. Bears large red, edible cherries. A superior dual-purpose fruit.

3 to 4 feet	-----	8.00	75.00	-----	
2 to 3 feet	-----	6.00	55.00	-----	
18 to 24 inches	-----	5.00	45.00	-----	



## SHRUBS (Continued)

## PRUNUS (Continued)

## ✓ HANSEN'S BUSH CHERRY

*Prunus besseyi*

Because this shrub is almost always featured for its fruit-bearing qualities, its ornamental value is often overlooked. In fact if it bore no fruit at all it would still be worthy of a place in the garden.

The foliage has an unusual blue-green tinge. The habit of growth is graceful and it never gets too large. Best of all, in the fall the foliage changes to brilliant purple and crimson. Large black fruits, good for preserves.

Transplants, branched	Per 10	Per 100	Per 1000
2 to 3 feet .....	5.00	45.00	400.00
18 to 24 inches .....	4.00	35.00	300.00

PURPLE FRINGE (See *Cotinus*).QUINCE (See *Chaenomeles*)REDBUD (See *Cercis* under Shrubs, also in Shade Trees.)

## RHAMNUS CATHARTICA (Buckthorn). Very hardy; dark green leaves, black berries. Valuable for hedging in the north. 10 to 12 feet.

	Per 10	Per 100	Per 1000
2 to 3 feet .....	4.50	40.00	—
18 to 24 inches .....	3.50	30.00	—
12 to 18 inches .....	2.50	20.00	—

## RHUS (Sumac)

*Glabra* (Smooth Sumac). Dwarfish habit. Large brands of crimson berries. Shining dark green foliage. 6 to 10 feet.

3 to 4 feet .....	5.50	50.00	—
2 to 3 feet .....	4.50	40.00	—

*Typhina* (Staghorn Sumac). Fuzzy bark, greenish flowers. Crimson berries late summer. 30 feet.

4 to 5 feet .....	7.00	60.00	—
3 to 4 feet .....	5.50	50.00	—

## RHODOTYPOS KERRIOIDES (Jetbead). Low spreading shrub with crinkled leaves and white flowers. Clusters of black shiny fruits in fall.

18 to 24 inches .....	6.00	55.00	—
12 to 18 inches .....	4.50	40.00	—

RIBES AUREUM (*Odoratum*). Upright grower. An old time favorite with delightfully fragrant yellow flowers in April or May, 5 to 6 feet.

2 to 3 feet .....	5.50	50.00	—
18 to 24 inches .....	4.50	40.00	—

## SALIX (Willow)

*Caprea* (French Pussy Willow). Pinkish catkins before leaves come out.

2 to 3 feet .....	5.00	45.00	—
18 to 24 inches .....	4.00	35.00	—

*Discolor* (Pussy Willow). Tall upright shrub with large gray catkins in early spring before leaves. 20 feet.

2 to 3 feet .....	4.50	40.00	—
18 to 24 inches .....	3.50	30.00	—

## SPIREA. One of the most useful groups of shrubs.

*Anthony Waterer*. Dwarf shrub with flat-topped clusters of pinkish-red flowers all summer.

12 to 15 inches .....	4.00	35.00	—
9 to 12 inches .....	3.00	25.00	—

**SHRUBS (Continued)****SPIREA (Continued)**

	Per 10	Per 100	Per 1000
<b>Arguta (Garland Spirea).</b> Upright; narrow leaves, clusters of single white flowers. One of the first to bloom. 5 to 6 feet.			
18 to 24 inches .....	4.50	40.00	350.00
12 to 18 inches .....	3.50	30.00	250.00
<b>Billiardi.</b> Bright pink flowers in long spikes. 5 to 6 feet.			
18 to 24 inches .....	4.50	40.00	350.00
12 to 18 inches .....	3.50	30.00	250.00
<b>Blue (See Caryopteris).</b>			
<b>Fröebeli.</b> Vigorous, semi-dwarf shrub that is very hardy. Bright pink flowers all summer long. Purplish tips to foliage in spring, beautiful autumn colors. 4 feet.			
18 to 24 inches .....	5.00	45.00	400.00
12 to 18 inches .....	4.00	35.00	300.00
9 to 12 inches .....	3.00	25.00	220.00
<b>Japonica coccinea.</b> Dwarf shrub similar to Anthony Waterer but with deeper red flowers.			
9 to 12 inches .....	3.50	30.00	—
<b>Thunbergi.</b> Low growing shrub, slender branches. Spreading habit. Feathery foliage, pure white flowers, early bloomer. 5 feet.			
18 to 24 inches .....	4.50	40.00	—
12 to 18 inches .....	3.50	30.00	—
<b>Vanhouttei (Bridalwreath).</b> Great masses of white flowers in early spring. Sometimes called Bridal Wreath. 6 feet.			
2 to 3 feet .....	4.50	40.00	350.00
18 to 24 inches .....	3.50	30.00	250.00
12 to 18 inches .....	2.50	20.00	180.00

**SYMPHORICARPOS (Snowberry).**

<b>Chenaulti. Improved Coralberry.</b> Small leaves, pink flowers. Red fruit. A very refined shrub that will withstand heat, drought, and dust. Shears into an attractive hedge. 6 feet.			
2 to 3 feet .....	4.50	40.00	—
18 to 24 inches .....	3.50	30.00	—
12 to 18 inches .....	2.50	20.00	—
<b>Racemosus (Snowberry).</b> Attractive green foliage; pink flowers. June-July. Large white fruit in clusters in autumn.			
18 to 24 inches .....	3.50	30.00	—
12 to 18 inches .....	2.50	20.00	—
<b>Vulgaris (Coralberry).</b> Hardy native shrub. Clusters of coral red berries in fall and winter.			
18 to 24 inches .....	3.50	30.00	—
12 to 18 inches .....	2.50	20.00	—

**SNOWBALL (See Viburnum).**

**TAMARIX.** Grown chiefly for its fine, graceful foliage and showy flowers.

<b>Africana.</b> Slender, spreading branches covered with feathery green foliage. Pink flowers. 10 feet.			
3 to 4 feet .....	6.00	55.00	500.00
2 to 3 feet .....	5.00	45.00	400.00
18 to 24 inches .....	4.00	35.00	300.00



**SHRUBS (Continued)****TAMARIX (Continued)**

**Hispida (Kashgar T.).** We are often asked what tamarix we think to be the best. The answer is Hispida. It is a graceful shrub with fine feathery blue-green foliage and bright pink flowers that bloom off and on all summer. You can trim it to make a neat hedge or plant it for individual specimens. The foliage is useful for making bouquets, for which it is used by many florists.

	Per 10	Per 100	Per 1000
3 to 4 feet .....	6.00	55.00	500.00
2 to 3 feet .....	5.00	45.00	400.00
18 to 24 inches .....	4.00	35.00	300.00

**Summer Glow.** Similar to Hispida but flowers a deeper shade of pink.

3 to 4 feet .....	6.50	55.00	—
2 to 3 feet .....	5.00	45.00	—
18 to 24 inches .....	4.00	35.00	—

**NOTICE:** The tops of tamarix must be cut back short when transplanting. If this is not done, they may fail to grow.

**VIBURNUM**

✓ **Opulus (Highbush Cranberry).** Single white flowers in April-May. Scarlet fruit persisting until spring.

12 to 18 inches .....	3.50	30.00	—
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**WEIGELA**

**Eva Rathke.** Deep red flowers. Blooms profusely. 5 feet.

2 to 3 feet .....	6.00	55.00	—
18 to 24 inches .....	5.00	45.00	—

**Newport.** An improved variety. Blooms very freely with brilliant red flowers in May-June. 5 feet.

18 to 24 inches .....	5.00	45.00	—
12 to 18 inches .....	3.50	30.00	—

**WILLOW (See Salix).**

Large greenhouse where lining-out stock is hardened off before putting in outdoor beds.

## VINES

### AMPELOPSIS (Parthenocissus) (Ivy)

	Per 10	Per 100	Per 1000
<b>Englemanni (Engleman Creeper).</b> Hardy clinging vine, bright autumn colors.			
2 year, No. 1 .....	3.50	30.00	—
2 year, Medium .....	3.00	25.00	—
<b>Quinquefolia (Virginia Creeper).</b> Rapid growing five leaf ivy. Hardy and suitable for covering stone walls, trellises, fences, etc.			
2 year, No. 1 .....	3.50	30.00	—
2 year, Medium .....	3.00	25.00	—

### BOSTON IVY

#### Parthenocissus tricuspidata

Used to be called **Ampelopsis veitchi**. Continues to be one of the most aristocratic and refined of vines. It will cling to brick, stucco, stone, and rough wood without support. The foliage stands smoke and dust well, and in autumn turns brilliant shades of scarlet and orange.

	Per 10	Per 100	Per 1000
2 year, No. 1 .....	4.50	40.00	—
2 year, Medium .....	3.50	30.00	—

### AMERICAN BITTERSWEET

#### Celastrus scandens

The American Bittersweet is much better than the oriental. The clusters of berries are larger, the color brighter, and the fruit stems longer—the whole aspect of the vine is more graceful. When ripe, the bright yellow berries burst open revealing the brilliant red centers. Hard to beat for winter decoration indoors or out.

Some vines don't produce berries at all, but we propagate our vines by cuttings taken from bearing plants.

	Per 10	Per 100	Per 1000
2 year, No. 1 .....	4.00	35.00	300.00
2 year, Medium .....	3.00	25.00	225.00

### CLEMATIS

**Paniculata.** In September and October these vines are covered with great masses of fragrant white flowers about 1 inch across. A long time favorite.

	Per 10	Per 100	Per 1000
2 year, No. 1 .....	5.50	50.00	—

### EUONYMUS

**Fortunei Coloratus (Purpleleaf Wintercreeper).** Evergreen foliage that turns bronzy-red in autumn. Excellent ground cover.

2 year, No. 1 .....	5.50	50.00	—
2 year, Medium .....	4.50	40.00	—
3-inch pots .....	3.50	30.00	250.00
2-inch pots .....	2.00	17.00	150.00

**Fortunei Minimus (Baby Euonymus).** Slow-growing dwarf broadleaf evergreen with small leaves. Clings tightly to rough surfaces; excellent for covering low walls.

3-inch pots .....	3.50	30.00	250.00
2-inch pots .....	3.00	25.00	200.00



## VINES (Continued)

## LONICERA (Honeysuckle).

	Per 10	Per 100	Per 1000
<b>Halls Japan. (L. Halleana).</b> Flowers pure white changing to yellow; very fragrant. Vigorous grower, evergreen foliage.			
2 year, No. 1 .....	3.00	25.00	200.00
2 year, Medium .....	2.50	20.00	160.00
<b>Purpleleaf. (L. Japonica, Purpleleaf).</b> Evergreen foliage; bronzy in summer, purple in fall and winter. Fragrant creamy pink flowers all summer. Very vigorous grower. Good for screens, hedges, planter boxes. Can be sheared.			
2 year, No. 1 .....	4.00	35.00	300.00
2 year, Medium .....	3.50	30.00	250.00
<b>Scarlet Trumpet (L. Sempervirens).</b> High climbing; scarlet, trumpet shaped flowers in clusters. 20 to 30 feet.			
No. 1 .....	3.50	30.00	—
Medium .....	3.00	25.00	—

## REDGOLD HONEYSUCKLE

## Trade Mark

This vine has the largest flowers of any of the climbing honeysuckles. Long bright yellow trumpets, shaded bronzy red, and handsome foliage; very showy. Makes a good cut flower.

	Per 10	Per 100
2 year, No. 1 .....	5.50	50.00
2 year, Medium .....	4.50	40.00

## POLYGONUM

**Auberti (Silver Lacevine).** Also called China Fleecevine. Just about the fastest growing vine under cultivation. Reminds one of the cartoon of the vine that grows so fast you have to shut the door quick to keep it from following you in.

Silver Lacevine is what you want to use to cover a big area in a short time, either on a trellis or on the ground. Blooms first year with great masses of foamy white flowers. This vine is so popular we grow many thousands of them every year.

	Per 10	Per 100	Per 1000
2 year, No. 1 .....	4.50	40.00	—
2 year, Medium .....	3.50	30.00	—

**Reynowtria.** New! A wonderful addition to the list of useful ground covers. Grows to a height of only 6 to 12 inches. Fall blooming with reddish pink flowers. Foliage turns brilliant red in fall.

2 year, No. 1 .....	5.50	50.00	—
2 year, Medium .....	4.00	35.00	—

FALL SHIPMENT ONLY

## WISTERIA

**Sinensis (Chinese Wisteria).** Long attractive clusters of purplish-blue flowers early summer. Vigorous grower. Our plants were propagated from blooming wood.

2 year, No. 1 .....	4.50	40.00	350.00
2 year, Medium .....	3.50	30.00	250.00

## SHADE AND ORNAMENTAL TREES

All our shade trees are grown in wide rows with plenty of space between them in the row to allow for proper development. Calipers are measured 6 inches above the collar. Sizes given in descriptions indicate height at maturity as given in "Hortus Second."

**ASH GREEN (*Fraxinus lanceolata*).** Large round-topped trees with attractive compound leaves. Does well in semi-arid areas and high altitudes. Grows rapidly. 60 feet.

	Per 10	Per 100
6 to 8 feet .....	16.50	150.00
5 to 6 feet .....	11.00	100.00
4 to 5 feet .....	8.50	75.00

**ASH MOUNTAIN (See Mountain Ash).**

### BALD CYPRESS *Taxodium Distichum*

This is the famous Cypress from which comes the long-lasting Cypress lumber. But it also makes a beautiful ornamental tree with its majestic pyramidal top and soft feathery foliage. Especially desirable for planting on lawns, in parks, and along avenues.

Although it is native to the swamps and bayous of the South it is hardy as far north as Michigan, and it withstands extreme heat and drought. Truly a remarkable tree. Grows to about 150 feet.

	Per 10	Per 100
6 to 8 feet, B & B .....	100.00	800.00
5 to 6 feet, B & B .....	70.00	650.00
4 to 5 feet, B & B .....	60.00	550.00
3 to 4 feet, B & B .....	50.00	450.00

**BIRCH (*Betula*).**

	Per 10	Per 100
<b>Cutleaf Weeping.</b> Graceful, slender, drooping branches. 60 feet.		
7 to 8 feet, (spring only) .....	42.50	400.00
5 to 6 feet, (spring only) .....	26.50	250.00
<b>European White (<i>Betula Pendula</i>) (alba).</b> White bark, branches usually drooping. 60 feet.		
6 to 7 feet, branched, (spring only) .....	26.50	250.00
5 to 6 feet, branched, (spring only) .....	21.50	200.00
<b>European White Birch. Clump Form.</b>		
5 to 6 feet, 3 to 5 stems, (Spring only) .....	27.50	250.00
<b>River (<i>Betula nigra</i>).</b> A graceful tree with slender numerous branches, and remarkable for its yellow flaking, papery bark. 50 to 100 feet.		
8 to 10 feet, branched low .....	30.00	—
6 to 8 feet, branched low .....	27.50	—
5 to 6 feet, branched low .....	20.00	—
4 to 5 feet, branched low .....	12.50	—

**CATALPA BUNGEI (Umbrella Catalpa).** Small formal round headed tree with large leaves. Desirable for formal plantings or where small trees are needed. Tops are cut back before shipping to prevent damage in transit.

5 to 6 foot stems .....	16.50	159.00
4 to 5 foot stems .....	14.00	125.00
3 to 4 foot stems .....	10.00	85.00



**SHADE AND ORNAMENTAL TREES (Continued)**

**COTTONWOOD, COTTONLESS.** Rapid-growing drought-resistant tree with glossy foliage. Produces no flowers, seeds or cotton. 60 feet.

	Per 10	Per 100
6 to 8 feet .....	9.00	80.00
5 to 6 feet .....	7.00	60.00

**FLOWERING CRABS**  
(Malus)

At long last, flowering crabs are getting the attention they deserve. First of all, Flowering Crabs are highly ornamental. Not only are the trees themselves attractive, but the flowers and fruits are decorative. Some varieties produce edible fruit, notably Hopa and Dolgo.

Flowering Crabs can also be used for shade. They are especially desirable for this purpose, on small home grounds where there is no room for the larger trees such as elms, oaks, and sycamores. Out of the many varieties of Flowering Crabs on the market, we have selected a group that we consider the best, based on years of observation.

**FLOWERING CRABS (Malus).**

	Per 10	Per 100
<b>Atrosanguinea.</b> Purple-bronze foliage, rosy-lavender flowers. Purplish fruit. 18 feet.		
5 to 6 feet .....	15.00	140.00
4 to 5 feet .....	12.00	110.00
3 to 4 feet .....	8.50	80.00
✓ <b>Almey (Rosy Bloom).</b> New! Deep crimson buds open to huge scarlet blooms with white star-like markings at base of each. Scarlet fruits. Excellent tree to pot for cash and carry sales. Usually blooms same year it is planted.		
3 to 4 feet .....	15.00	140.00
2 to 3 feet .....	11.00	100.00
✓ <b>Dolgo.</b> White flowers, large showy red fruit; good for jelly. 40 feet.		
4 to 5 feet .....	9.50	90.00
3 to 4 feet .....	6.50	60.00
✓ <b>Eleyi (Eley Crab).</b> Foliage red in spring, flowers vinous red, single; fruit red. 40 feet.		
4 to 5 feet .....	12.00	110.00
3 to 4 feet .....	8.50	80.00

✓ **HOPA FLOWERING CRAB**

From early spring until freezing weather this tree will be a delight to you. In the spring the expanding foliage is bronzy red but before the leaves are fully developed the whole tree bursts into bloom, being completely covered with the most magnificent fragrant pink flowers. It is hard to imagine anything more showy.

The flowers are followed by the prettiest tiny red apples that bejewel the tree during the summer. You can make a good jelly from them.

	Per 10	Per 100
5 to 6 feet .....	12.00	110.00
4 to 5 feet .....	9.00	85.00
3 to 4 feet .....	7.00	65.00

## SHADE AND ORNAMENTAL TREES (Continued)

## FLOWERING CRABS (Continued)

	Per 10	Per 100
✓ <b>Floribunda, Red Fruiting (Japanese Flowering Crab).</b> Buds coral red; flowers pale pink turning to snow white. The fruits on this variety are a showy red instead of the usual yellow.		
4 to 5 feet .....	12.00	110.00
3 to 4 feet .....	8.50	80.00
✓ <b>Niedzwetzkyana (Red-Vein Crab).</b> Single red flowers, red fruit; bark and wood reddish. 40 feet.		
4 to 5 feet .....	12.00	110.00
3 to 4 feet .....	8.50	80.00
✓ <b>Red Silver.</b> Silver and red foliage. Crimson flowers, red fruit. 30 feet.		
4 to 5 feet .....	12.00	110.00
3 to 4 feet .....	8.50	80.00
✓ <b>Scheideckeri.</b> Flowers pale pink and semi-double. Yellow fruit. 25 feet.		
4 to 5 feet .....	12.00	110.00
3 to 4 feet .....	8.50	80.00
<b>Redford.</b> Handsome new ornamental apple from New York State Experiment Station. Deep pink flowers, medium size fruit dark deep scarlet color with deep red flesh. Foliage reddish-green in spring.		
4 to 5 feet .....	12.00	110.00

## DOGWOOD, FLOWERING (See Shrubs).

ELM (*Ulmus*).

**American (*Ulmus americana*).** America's best street tree. 120 feet.

1¼ to 1½ inch caliper .....	22.00	200.00
8 to 10 feet .....	16.50	150.00
6 to 8 feet .....	11.00	100.00
5 to 6 feet .....	8.00	70.00
4 to 5 feet .....	5.50	50.00

**Chinese (*Ulmus pumila*) (Siberian).** Very rapid grower. Makes good screens, hedges and specimens. Especially adapted to dry climates.

**Root-Pruned Seedlings**

4 to 5 feet, 7/16-9/16 cal. ....	3.50	30.00
3 to 4 feet 5/16-7/16 cal. ....	2.50	20.00

**HACKBERRY (*Celtis occidentalis*).** Resembles American Elm. Desirable shade tree. It is not affected by the diseases that attacks elms. 120 feet.

1½ to 2 inch caliper .....	40.00	—
1¼ to 1½ inch caliper .....	35.00	325.00
8 to 10 feet .....	27.50	250.00
6 to 8 feet .....	19.00	175.00
5 to 6 feet .....	11.00	100.00
4 to 5 feet .....	8.00	75.00

**HONEYLOCUST, THORNLESS (*Gleditsia triacanthos inermis*).** Very desirable shade and ornamental tree. Refined pinnately compound leaves; fragrant white flowers in spring. Succeeds in dry locations. Hardy and long-lived. Reaches a height of 50 to 60 feet.

6 to 8 feet .....	22.00	200.00
5 to 6 feet .....	14.00	125.00
4 to 5 feet .....	8.00	75.00



## SHADE AND ORNAMENTAL TREES (Continued)

**LOCUST, MORAINE**

(Plant Patent No. 836)

The Moraine Locust is a round-headed tree when young, but tall and vase-shaped when older, attaining a height of 80 to 100 feet. It grows more rapidly than the common type of locust because of the absence of seed pods and thorns. This attribute, together with the small leaflets which mostly drift into the lawn between the blades of grass, makes little fall clean-up necessary. It stands pruning well but very little is necessary since the lower branches self-prune as the top grows wider. This makes it desirable for narrow street planting of small properties, as sufficient clearance can be maintained for any type of traffic. Transplants easily.

	<b>Suggested Retail</b>	<b>Each 10-49</b>	<b>Each 50-499</b>
8 to 10 feet, branched .....	12.50	7.75	7.00
7 to 8 feet, branched .....	9.00	4.50	4.00
7 to 8 feet, whips .....	7.50	3.35	3.00
6 to 7 feet, branched .....	7.50	3.35	3.00
6 to 7 feet, whips .....	6.00	2.75	2.50
5 to 6 feet, branched .....	6.00	2.75	2.50
5 to 6 feet, whips .....	5.00	2.25	2.00

## SHADE AND ORNAMENTAL TREES (Continued)

	Per 10	Per 100
<b>MAPLE</b>		
<b>Crimson King (<i>A. platanoides schwedleri nigra</i>). Plant Patent No. 735.</b>		
Improved Schwedler Maple. Deeper color retained all summer.		
6 to 7 feet, whips (Spring only) .....	35.00	325.00
5 to 6 feet, whips (Spring only) .....	25.00	235.00
<b>Cutleaf.</b> Leaves are deeply cut and lacerated. Pendulous branches give the tree a weeping appearance. Highly ornamental.		
5 to 6 feet .....	12.50	—
4 to 5 feet .....	10.00	—
3 to 4 feet .....	8.00	—
2 to 3 feet .....	6.00	—
<b>Norway.</b> Dome-shaped head with dense covering of beautiful dark foliage. Fine for street or lawn planting.		
7 to 8 feet, whips (Spring only) .....	16.50	150.00
<b>Red or Scarlet (<i>A. Rubrum</i>). Smooth gray bark, leaves with 3 to 5 lobes; red flowers before leaves. Valuable as street and park tree. 120 feet.</b>		
8 to 10 feet .....	25.00	—
6 to 8 feet .....	22.50	200.00
5 to 6 feet .....	20.00	175.00
<b>Schwedler (<i>A. platanoides schwedleri</i>). Resembles Norway Maple except it has reddish-purple leaves in spring and early summer.</b>		
7 to 8 feet, whips (Spring only) .....	31.00	290.00
<b>Soft or Silver (<i>A. saccharinum</i>). Fast growing, silvery leaves. 120 feet.</b>		
8 to 10 feet .....	17.50	—
6 to 8 feet .....	13.50	125.00
5 to 6 feet .....	9.50	85.00
4 to 5 feet .....	5.50	50.00
<b>MOSS LOCUST. (See Rose Acacia)</b>		
<b>MOUNTAIN ASH (<i>Sorbus aucuparia</i>) European Mountain Ash. Highly ornamental tree with attractive compound leaves and large clusters of scarlet berries. 50 feet.</b>		
6 to 8 feet, branched, (spring only) .....	28.00	265.00
<b>MULBERRY, TEA'S WEEPING.</b> A grafted tree with long willowy branches drooping to the ground.		
5 to 6 foot stems .....	30.00	—
4 to 5 foot stems .....	25.00	—
3 to 4 foot stems .....	20.00	—
<b>OAK, PIN (<i>Quercus palustris</i>). Rapid growing trees with deeply cut leaves that turn bright colors in autumn. Assume a narrow pyramidal form Excellent street and lawn tree.</b>		
1½ to 2 inch caliper, B & B .....	85.00	—
8 to 10 feet, 1¼ to 1½ inch caliper, B & B .....	70.00	600.00
6 to 8 feet, B & B .....	50.00	450.00
5 to 6 feet, B & B .....	35.00	300.00
4 to 5 feet, B & B .....	25.00	225.00
<b>NOTE: Because of the heavy losses in transplanting Oaks bare root, we are offering them only B &amp; B.</b>		
<b>PECAN, NATIVE (<i>Hickoria Pecan</i>). Handsome ornamental tree with large compound leaves and sturdy trunk and strong branches. Edible nuts. Reaches estimated height of 100 feet.</b>		
6 to 8 feet .....	20.00	—
5 to 6 feet .....	15.00	—
4 to 5 feet .....	10.00	—



**SHADE AND ORNAMENTAL TREES (Continued)**

✓ **PERSIMMON, AMERICAN** (*Diospyros virginiana*). Round-topped heads, edible fruit, hardy. Handsome foliage, especially in autumn. 50 feet.

	Per 10	Per 100
6 to 8 feet .....	20.00	—
5 to 6 feet .....	15.00	—
4 to 5 feet .....	10.00	—

**POPLAR**

**Bolleana** (*P. alba pyramidalis*). Slender, narrow habit of growth, smooth green bark. Leaves dark green above, white beneath. 60 feet.

6 to 8 feet, branched .....	13.50	125.00
6 to 8 feet, whips .....	9.50	85.00
5 to 6 feet, branched .....	9.50	85.00
5 to 6 feet, whips .....	5.50	50.00
4 to 5 feet, branched .....	5.50	50.00
4 to 5 feet, whips .....	4.00	35.00

**Carolina or Norway.** Fastest-growing poplar, cottonless. Excellent for screens, windbreaks, shelterbelts, and quick shade.

6 to 8 feet .....	6.50	60.00
5 to 6 feet .....	4.50	40.00

**COTTONWOOD, COTTONLESS (See Cottonwood)****LOMBARDY POPLAR**

Tall slender, rapid growing tree. Used for accent on landscape plantings, screen plantings, windbreaks and shelterbelts. Widely used to plant on property lines of new homes, especially in the rear now that alleys are out of style.

	Per 10	Per 100	Per 1000
<b>Branched trees</b>			
6 to 8 feet .....	5.00	45.00	400.00
5 to 6 feet .....	4.00	35.00	300.00
4 to 5 feet .....	3.00	25.00	200.00
<b>Whips and Lightly Branched</b>			
5 to 6 feet .....	2.00	17.50	160.00
4 to 5 feet .....	1.50	12.50	110.00
3 to 4 feet .....	1.00	8.50	75.00

**PRUNUS PERSICA (Flowering Peach)**

✓ **Cardinal.** Large fully double, deep red flowers.

	Per 10	Per 100
4 to 5 feet .....	9.00	85.00
3 to 4 feet .....	6.50	60.00

**Charming.** Double, light pink flowers.

4 to 5 feet .....	9.00	85.00
3 to 4 feet .....	6.50	60.00

**Iceburg.** Double, early, snow white.

4 to 5 feet .....	9.00	85.00
3 to 4 feet .....	6.50	60.00

**PRUNUS**

**Triloba. (Flowering Plum).** Small tree or large shrub with slender branches, thickly set double pink flowers in April-May. 10 feet.

4 to 5 feet .....	14.00	125.00
3 to 4 feet .....	11.00	100.00
2 to 3 feet .....	8.00	75.00

✓ **Newport.** Purple leaf Plum.

4 to 5 feet .....	14.00	125.00
3 to 4 feet .....	11.00	100.00
2 to 3 feet .....	8.00	75.00

## SHADE AND ORNAMENTAL TREES (Continued)

**REDBUD (*Cercis Canadensis*).** Heart-shaped leaves; rosy-red flowers in spring. 40 feet.

	Per 10	Per 100
4 to 5 feet, tree form .....	11.00	100.00
3 to 4 feet, tree form .....	8.00	75.00
2 to 3 feet, tree form .....	5.50	50.00

See also Shrubs

**ROSE ACACIA STANDARDS (*Robinia hispida*).** Moss locust grafted on locust stems to make a small formal tree. Blooms heavily in spring, with large clusters of bright pink sweet-pea flowers; blooms occasionally throughout growing season. Desirable for formal planting, lawn specimens or where small trees are needed.

4 to 5 foot stems .....	25.00	225.00
3 to 4 foot stems .....	20.00	175.00

**SYCAMORE, American. (*Platanus occidentalis*).** Large, handsome leaves, Smooth, light colored, almost creamy-white bark with age, gives tree a striking appearance. Heat and drought resistant. 100 to 150 feet.

5 to 6 feet .....	11.00	100.00
4 to 5 feet .....	8.00	75.00

**THORN, PAUL'S SCARLET.** Highly ornamental trees with clusters of double scarlet flowers. 15 to 20 feet.

5 to 6 feet, branched (Spring only) .....	30.00	275.00
4 to 5 feet, branched (Spring only) .....	25.00	235.00

**WALNUT, BLACK (*Juglans nigra*).** Large tree with compound leaves; edible nuts. Valuable timber tree. 80 to 100 feet.

5 to 6 feet .....	11.00	100.00
4 to 5 feet .....	8.00	75.00



## HEDGE PLANTS

### ELM, CHINESE (See Lining Out Stock)

#### HONEYSUCKLE, TARTARIAN

Per 100 Per 1000

12 to 18 inches, rooted cuttings .....	11.00	100.00
6 to 12 inches, rooted cuttings .....	8.50	75.00

#### PRIVET (Ligustrum)

**Amur River North.** Hardy, well adapted to northern states. Upright branches, rather glossy, oval leaves.

2 to 3 feet, 4 canes and up .....	21.00	180.00
18 to 24 inches, 3 canes and up .....	16.00	140.00
18 to 24 inches, 2 canes .....	12.00	100.00
12 to 18 inches, 3 canes and up .....	12.00	100.00
12 to 18 inches, 2 canes .....	10.00	85.00
9 to 12 inches, branched .....	7.00	60.00

**Amur River South. (L. sinensis).** Very bushy plants with fine box-like foliage. Makes a beautiful, dense hedge. Suitable for planting in Oklahoma and south.

18 to 24 inches, well branched .....	14.00	120.00
12 to 18 inches, well branched .....	12.00	100.00

**California.** Glossy green leaves, suited to southern half of the United States. Extremely popular for formal hedges.

18 to 24 inches, 3 canes and up .....	15.00	125.00
12 to 18 inches, 3 canes and up .....	12.00	100.00

**Ibodium, Hardy California.** Upright, vigorous, shiny foliage.

18 to 24 inches, 3 canes and up .....	16.00	140.00
12 to 18 inches, 3 canes and up .....	13.00	110.00

**Obtusifolium. (Erect Border Privet).** New. Dense, branching habit, rapid growth—large lustrous foliage. Makes a very compact hedge. Hardy.

2 to 3 feet, 4 canes and up .....	21.00	180.00
18 to 24 inches, 3 canes and up .....	16.00	140.00
12 to 18 inches, 3 canes and up .....	12.00	100.00

**Regel.** Low growing, dense, horizontal spreading branches. Desirable for low mass planting.

	Per 10	Per 100
15 to 18 inches, well branched .....	3.50	30.00
12 to 15 inches, well branched .....	2.50	20.00

**NOTE:** Privet does not mature sufficiently for shipment before December.

**ROSA MULTIFLORA JAPONICA.** Thorny type. Excellent game refuge and animal-tight fence.

Per 100 Per 1000

2/16 to 3/16 inch caliper .....	3.50	30.00
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## ROSES

Our roses are low-budded on thornless *Rosa multiflora japonica* understocks. In grading we use American Association of Nurserymen standards. Roses are tied No. 1 and No. 1½, 10 per bundle; No. 2, 25 per bundle. Order in full bundles.

The most up-to-date practices of spraying, pruning, cultivating, and fertilizing are employed in the production of our roses to give you a high quality product.

### TEA AND HYBRID TEA

	Per 10	Per 100	Per 1000
No. 1	6.00	55.00	500.00
No. 1½	5.00	45.00	400.00
No. 2	3.50	30.00	250.00

**American Beauty.** Deep pink, delightful fragrance, vigorous.

**Briarcliff.** Fine flower of silvery rose-pink.

**Caledonia.** White, long buds, large flowers.

**Christopher Stone.** Velvety scarlet-crimson; fragrant.

**Condesa de Sastago.** Petals coppery-pink shade inside, gold outside.

**Crimson Glory.** Deep, vivid crimson, very fragrant.

**Edith Nellie Perkins.** Buff inside, coppery-pink outside.

**Editor McFarland.** Shapely buds and double brilliant pink blooms.

**Etoile de Hollande.** Brilliant red, huge, free, flowering, fragrant.

**Frau Karl Druschki** (White American Beauty). Magnificent pure white.

**Golden Dawn.** Rich straw yellow buds flushed old rose, opening to sunflower yellow.

**Grenoble.** Clear scarlet-red, tall, strong growing.

**Joanna Hill.** Large flowers, golden buff, yellow center.

**K. A. Viktoria.** Snowy-white tinted pale yellow at center.

**Konigin Luise.** Pure white, double, strong grower.

**Luxembourg.** Copper-yellow with deep yellow stains at base of petals.

**Mrs. P. S. Dupont.** Double, rich yellow, free flowering.

**Pink Dawn.** Perfectly formed deep rose-pink flowers, shaded orange.

**Poinsettia.** Beautiful deep velvety-red, subtle rose fragrance.

**President Herbert Hoover.** Cerise-pink, flame scarlet and yellow.

**Radiance.** Brilliant rose-pink; America's most popular rose.

**Red Radiance.** Similar to Radiance, but deep rose-red; ever-blooming.

**Red Talisman.** Red sport of Talisman.

**Rouge Mallerin.** Double blooms of lasting deep red.

**Soeur Therese.** Long chrome-yellow buds marked with carmine.

**Talisman.** Bright apricot-gold and deep pink. Very popular.

**The Doctor.** Satiny pink, very large.

### CLIMBING

	Per 10	Per 100	Per 1000
No. 1	6.00	55.00	500.00
No. 1½	5.00	45.00	400.00
No. 2	3.50	30.00	250.00

**Cli. American Beauty.** Carmine, fine form, rich perfume.

**Blaze.** Brilliant, unfading scarlet, large flower cluster.

**Doubloons.** Large golden flowers in cluster.

**Cli. Etoile de Hollande.** Brilliant red, huge, free-flowering.

**Cli. K. A. Viktoria.** Snow-white, climbing form of hybrid tea.

**Cli. Mrs. P. S. Dupont.** Golden-yellow, climbing form of bush variety.

**New Dawn.** Apple-blossom pink.

**Paul's Scarlet.** Intense scarlet, vigorous and free-flowering.

**Cli. Radiance.** Large rose-pink, climbing form of popular bush rose.

**Cli. Red Radiance.** Deep rose-red.

**Cli. Talisman.** Bright apricot, gold and deep pink.



# ROSES (Continued)

## POLYANTHA AND FLORIBUNDA

	Per 10	Per 100	Per 1000
No. 1 .....	6.00	55.00	500.00
No. 1½ .....	5.00	45.00	400.00
No. 2 .....	3.50	30.00	250.00

\***Baby Chateau.** Deep velvety red. One of the best.

\***Cameo.** Shell-pink and salmon, flushed gold.

\***Elsie Poulsen.** Bright rose-pink flowers of good size; large clusters.

**Gloria Mundi.** Large, double, long-lasting orange scarlet flowers in clusters.

\***Improved Lafayette.** Sturdy plants, glowing red flowers marked crimson.

\***Poulsen Yellow.** Buds copper, flowers yellow. Very fragrant.

\***Floribunda varieties**

## PATENTED HYBRID TEA

	Each	
	10-19	20 & Up
<b>Applause.</b> Patent No. 829 (Retail \$2.00 each). Gold Medal winner. The many-petaled blooms of this rose are a dazzling light red in the bud, becoming a lighter shade in the full open flowers. The color is rich and pleasing. Vigorous plants have many branches and produce loads of pleasingly fragrant blooms. ....	1.10	1.00
<b>Blanche Mallerin.</b> Patent No. 594 (Retail \$2.00 each). A lovely alabaster-white with a satiny sheen. Long buds open to full, well formed blooms. Very fragrant. ....	1.10	1.00
<b>Charles Mallerin.</b> Patent No. 933 (Retail \$2.50 each). Deep, rich velvety-black blooms. Very fragrant. Plant is very vigorous and resistant to black spot. ....	1.40	1.25
<b>Chrysler Imperial.</b> Patent No. 1167 (Retail \$2.50). Vivid rich tones of crimson enhanced by darker overtones of glowing ox-blood red. Long tapering buds. Large high-centered flowers measuring 4½ to 5 inches with 40 to 50 petals. Long sturdy stems. 1953 AARS winner. ....	1.40	1.25
<b>Forty-Niner.</b> Patent No. 792 (Retail \$2.50 each). One of the most brilliant bi-colors ever introduced. Contrasting colors of vivid Oriental red on inside of petals and chrome yellow on outside blend together beautifully. Tall and vigorous. Mildly fragrant. Colors are lasting and retain brilliance. All American winner for 1949. ....	1.40	1.25
<b>Happiness.</b> Patent No. 911 (Retail \$2.00 each). Well formed, large, long lasting blooms of brilliant red. Splendid for cutting. Plants are strong and healthy. ....	1.10	1.00
<b>Lowell Thomas.</b> Patent No. 595 (Retail \$2.00 each). Long, tightly furled buds open into a large, graceful flower with an elusive, delicate fragrance. Long-lasting blooms of vibrant chrome yellow are well formed. Plant is robust and does well in all areas, hot or cold weather. ....	1.10	1.00
<b>Mirandy.</b> Patent No. 632 (Retail \$2.25). 1945 All American Award winner. This gorgeous, fragrant red rose readily takes its place among the best reds of all time. The ovoid buds are deep rich dark red with black shadings, opening to lovely chrysanthemum-red velvety textured flowers of huge proportions. Its delicious fragrance will make you inhale deeply, for the damask perfume is the essence of rose perfection. ....	1.25	1.12½
<b>Mission Bells.</b> Patent No. 923 (Retail \$2.00 each). Pointed, well shaped buds are deep, glowing, salmon-pink, opening to flowers of clear shrimp-pink color. Rich fragrance. Big, strong heavily branched plant with attractive foliage. 1950 All American Award winner. ....	1.10	1.00

## PATENTED ROSES (Continued)

	10-19 Each	20 & Up Each
<b>New Yorker.</b> Patent No. 823 (Retail \$2.00 each). Huge, high centered flowers of a clear, sparkling shade of red are produced in continuous succession. Has a delightful raspberry fragrance, and the heavy textured petals hold their color. Plant is hardy and resists disease. ....	1.10	1.00
<b>Peace.</b> Patent No. 591 (Retail \$2.50 each). The only All American Selection of 1946. The ovoid buds are golden-yellow etched with pink. As they open they change from canary-yellow to pale gold to iridescent cream. The petals are edged with apple-blossom pink that deepens as the flower slowly opens to glorious 5 inch blooms. ....	1.40	1.25
<b>President Eisenhower.</b> Patent No. 1217 (Retail \$2.50 each). Large, rich, unfading, uniform blooms of lasting rose-red, produced singly on long stems. Free and continuous bloomer. Fragrant. ....	1.40	1.25
<b>Rubaiyat.</b> Patent No. 758 (Retail \$1.75 each). Both the buds and flowers of this robust rose are extra large and have a damask-rose fragrance. The flowers are usually somewhat paler than the scintillating rose-red or crimson buds. Keeps up a never-ending succession of long-lasting blooms from early spring to late fall. ....	1.00	.87½
<b>Show Girl.</b> Patent No. 646 (Retail \$2.00 each). Very beautiful, perfect, long, deep pink buds, almost carmine in the spring. Flowers are long lasting and have big heavy-textured petals. Tall plant with big heavy canes. Flourishes in all climates. ....	1.10	1.00
<b>Sutters Gold.</b> Patent No. 885 (Retail \$2.25 each). Beautiful, long pointed buds of yellow richly shaded with orange and red is outstanding feature. Buds are borne in great quantities on long straight stems excellent for cutting. Flowers are high centered and richly colored with a tea fragrance. Plants are strong, vigorous and free branching. 1950 All American Award winner. ....	1.25	1.12½
<b>Taffeta.</b> Patent No. 716 (Retail \$2.00 each). Outstanding feature is ability to produce many long-stemmed, perfectly formed fragrant buds in rich pink and salmon shades. Color is generally a rich carmine-rose in the bud, begonia rose in the open flower. Pronounced fragrance. Plant is larger than average, vigorous and upright. ....	1.10	1.00
<b>Tally-ho.</b> Patent No. 828 (Retail \$2.00 each). Deep cardinal-red buds open slowly to exquisite fully double bi-colored flowers. Colors are not in great contrast. Inside of petals is varying and unusually delightful shade of pink; outside varies from crimson to cardinal-red. ....	1.10	1.00

## PATENTED CLIMBING

<b>Cli. Crimson Glory.</b> Patent No. 736 (Retail \$2.50 each). Bright crimson climbing form of bush rose Crimson Glory. ....	1.40	1.25
<b>Cli. Floradora.</b> Patent No. 1054 (Retail \$2.00 each). Climbing form of the very popular floribunda. Double scarlet and geranium red flowers in profusion. ....	1.10	1.00
<b>Cli. Peace.</b> Patent No. 932 (Retail \$2.50 each). Climbing form of the famous bush rose. ....	1.40	1.25

## PATENTED FLORIBUNDA

<b>Chatter.</b> Patent No. 739 (Retail \$1.50 each). Unusually bright crimson blooming continuously with large clusters. ....	.90	.75
<b>Fashion.</b> Patent No. 789 (Retail \$2.00 each). Intense salmon-orange coloring is brilliant, yet soft and lovely; unique. Buds and flowers of exquisite form with an old-rose fragrance. Plants are vigorous and bushy; they have small glossy foliage. 1950 award winner. ....	1.10	1.00



**PATENTED ROSES (Continued)****PATENTED FLORIBUNDA (Continued)**

	10-19 Each	20 & Up Each
<b>Goldilocks.</b> Patent No. 672 (Retail \$1.50 each). Rich golden-yellow flowers in many clusters resemble miniature Hybrid Teas in form. The compact bush produces golden masses of perfect buds and long-lasting flowers. ....	.90	.75
<b>Ma Perkins.</b> Patent No. 1143 (Retail \$2.00 each). 1953 AARS winner. Red in outer petals—yellow in early stages of bloom. With aging comes a soft coral shell pink. ....	1.10	1.00
<b>Pinocchio.</b> Patent No. 484 (Retail \$1.50 each). Beautiful buds and flowers of bright cherry salmon flushed with gold, are borne on long sprays. Such a prolific bloomer, the plant is covered throughout the season with immense clusters of perfect baby roses. Fruity fragrance. ....	.90	.75
<b>Red Pinocchio.</b> Patent No. 812 (Retail \$1.50 each). Attractive buds of deep satiny carmine on outside of petals and bright carmine on inside. Flowers are borne in large, long-lasting, unfading clusters. Delightful wild rose fragrance. Plants are bushy and upright with rich vigorous foliage. ....	.90	.75
<b>World Fair.</b> Patent No. 362 (Retail \$1.50 each). Fragrant, large clusters of large, double, velvety black-scarlet flowers. Exceptionally hardy. Makes a continuous display from late spring until frost. ....	.90	.75

## EVERGREENS

The name Willis has become synonymous with Quality in evergreens and there is good reason for it.

A crew of trained men spends most of its time in our evergreens shearing and pruning with skilled hands to insure compactness and symmetry. No diseases or insect pests are permitted a foothold in our trees and no weeds, noxious or otherwise, will be found in our evergreen blocks. We would like to have you come to see for yourself.

All of our evergreens are grown in soil especially suitable for balling. Although we cannot assume responsibility for results, our evergreens have given satisfaction throughout the middlewest.

All evergreens are priced balled and burlapped (B & B)

	Per 10 Each	Per 100 Each
<b>CUPRESSUS ARIZONICA (Arizona Cypress).</b> Blue whipcord foliage. Grows in a compact pyramidal form with little shearing. Withstands heat and drought. Hardy at Ottawa. Grafted trees.		
3 to 4 feet .....	5.50	5.00
2 to 3 feet .....	4.75	4.25
<b>JUNIPERUS (Juniper)</b>		
<b>Chinensis columnaris (Blue).</b> Slender columnar form with bluish-green foliage. Thrives in hot, dry climates.		
5 to 6 feet .....	7.75	7.00
4 to 5 feet .....	6.50	6.00
<b>Chinensis columnaris (Green).</b> Slender columnar form, bright green foliage. Does especially well in hot, dry climates.		
5 to 6 feet .....	7.75	7.00
4 to 5 feet .....	6.50	6.00
<b>Chinensis mascula.</b> Compact, pyramidal form. Good foliage and color.		
5 to 6 feet .....	7.75	7.00
4 to 5 feet .....	6.50	6.00
3 to 4 feet .....	5.50	5.00

## EVERGREENS (Continued)

## JUNIPERUS (Continued)

	Per 10 Each	Per 100 Each
<b>Chinensis pfitzeriana (Pfitzer's J.).</b> Low growing compact tree with horizontally spreading branches. Most popular spreading evergreen.		
3½ to 4 feet .....	6.50	6.00
3 to 3½ feet .....	5.50	5.00
2½ to 3 feet .....	4.50	4.00
2 to 2½ feet .....	3.85	3.50
18 to 24 inches .....	3.35	3.00
<b>Chinensis pfitzeriana aurea (Golden Pfitzer).</b> Same as other Pfitzer Junipers but the new growth is bright golden yellow.		
2½ to 3 feet .....	4.50	—
2 to 2½ feet .....	4.00	—
18 to 24 inches .....	3.50	—
<b>Chinensis pfitzeriana (Silver).</b> Similar to Pfitzer's Juniper, but with silvery-blue foliage.		
18 to 24 inches .....	3.50	3.25
15 to 18 inches .....	3.00	2.75
<b>Chinensis pfitzeriana (Kallay's Compact).</b> Very compact, horizontally spreading branches. Very desirable type.		
3 to 3½ feet .....	6.50	6.00
2½ to 3 feet .....	5.00	4.50
2 to 2½ feet .....	4.40	4.00
18 to 24 inches .....	3.85	3.50
<b>Chinensis procumbens (Creeping Chinese J.).</b> Low spreading shrub. One of the best evergreens for groundcover.		
2½ to 3 feet .....	5.00	4.50
2 to 2½ feet .....	4.40	4.00
<b>Chinensis. Government Selection.</b> Introduced by the U.S.D.A. Habit of growth and foliage similar to J. chinensis columnaris blue.		
3 to 4 feet .....	5.50	5.00
2 to 3 feet .....	3.85	3.50
<b>Communis depressa plumosa (Andorra J.).</b> Makes a dense spreading groundcover; foliage purple in winter.		
2½ to 3 feet .....	4.40	4.00
2 to 2½ feet .....	3.85	3.50
18 to 24 inches .....	3.35	3.00
15 to 18 inches .....	2.75	2.50
<b>Communis hibernica (Irish J.)</b> Narrow columnar form with upright branches; blue-green foliage; grows rapidly.		
2 to 3 feet .....	2.75	2.50
18 to 24 inches .....	2.20	2.00
<b>Euonymus (See Broadleaf Evergreens)</b>		
<b>Excelsa stricta (Spiny Greek J.)</b> Semi-dwarf, broadly conical form with heavy bluish foliage.		
2 to 2½ feet .....	2.75	2.50
18 to 24 inches .....	2.25	2.00
15 to 18 inches .....	2.00	1.75
12 to 15 inches .....	1.35	1.25



## EVERGREENS (Continued)

## JUNIPERUS (Continued)

	Per 10 Each	Per 100 Each
<b>Glauca hetzi.</b> Resembles Pfitzer's juniper, but foliage is blue-green and tree grows faster than Pfitzer.		
3 to 3½ feet .....	5.50	5.00
2½ to 3 feet .....	4.50	4.00
2 to 2½ feet .....	3.85	3.50
18 to 24 inches .....	3.35	3.00
15 to 18 inches .....	2.75	2.50
<b>Glauca hetzi (Globes).</b> Sheared into compact globes. Excellent for entrance planting or for informal situations.		
2 to 2½ feet .....	5.50	5.00
18 to 24 inches .....	4.50	4.00
15 to 18 inches .....	3.85	3.50
12 to 15 inches .....	3.35	3.00
<b>Glauca hetzi (Staked Upright).</b> Resembles Pfitzer's juniper, but foliage is blue-green and tree grows faster than Pfitzer.		
3½ to 4 feet .....	6.50	6.00
3 to 3½ feet .....	6.00	5.50
<b>Japonica globosa.</b> Unique light green whipcord foliage. Sheared into compact globes. Excellent for formal planting.		
2 to 2½ feet .....	5.50	5.00
18 to 24 inches .....	4.50	4.00
15 to 18 inches .....	3.85	3.50
12 to 15 inches .....	3.35	3.00
9 to 12 inches .....	2.50	2.25
<b>Kosteri plumosa.</b> Spreading habit of growth soft pliable feathery foliage. Gracefully archery branches.		
18 to 24 inches .....	3.85	3.50
<b>Sabina (Savin J.)</b> Low vase-shaped, very dark green.		
2½ to 3 feet .....	4.50	4.00
2 to 2½ feet .....	3.85	3.50
18 to 24 inches .....	3.35	3.00
<b>Sabina tamariscifolia (Tamarix Savin J).</b> Blue-green foliage, compact spreading habit, with ascending branches.		
2 to 2½ feet .....	4.50	4.00
18 to 24 inches .....	3.85	3.50
15 to 18 inches .....	3.35	3.00
12 to 15 inches .....	2.75	2.50
<b>Sabina von Ehron (Von Ehron's J).</b> Fast growing, compact. Dark green, resembling Savin in habit of growth, but more vigorous.		
2½ to 3 feet .....	4.50	4.00
2 to 2½ feet .....	3.85	3.50
<b>Sabina von Ehron (Globes).</b> Sheared into compact globe form.		
2 to 2½ feet .....	5.50	5.00
18 to 24 inches .....	4.50	4.00
15 to 18 inches .....	3.85	3.50
12 to 15 inches .....	3.35	3.00
<b>Scopulorum (Select Blue)</b>		
4½ to 5 feet .....	7.75	7.00
4 to 4½ feet .....	7.00	6.50

EVERGREENS (Continued)		
JUNIPERUS (Continued)	Per 10 Each	Per 100 Each
<b>Scopulorum, Chandlers.</b> Broadly pyramidal tree with bright silvery-blue foliage. Shears well.		
5 to 6 feet .....	7.50	7.00
4 to 5 feet .....	6.75	6.25
3½ to 4 feet .....	6.00	5.50
3 to 3½ feet .....	5.50	5.00
2½ to 3 feet .....	5.00	4.50
<b>Scopulorum, Crawford.</b> Broadly pyramidal; blue-green foliage.		
3½ to 4 feet .....	6.00	5.50
3 to 3½ feet .....	5.50	5.00
2½ to 3 feet .....	5.00	4.50
<b>Scopulorum, (horizontalis).</b> Bright blue foliage, upright habit; very compact. These are extra nice trees.		
3½ to 4 feet .....	6.00	5.50
3 to 3½ feet .....	5.50	5.00
2½ to 3 feet .....	5.00	4.50

#### JUNIPER SCOPULORUM

### *Platinum*

#### An Outstanding New Evergreen (Plant Patent No. 1070)

This splendid new Juniper, recently introduced by us, is finding wide acceptance. Its brilliant silvery blue color is retained the year around. It grows fairly rapidly, but because the foliage is so dense, very little shearing is required to make it compact and symmetrical. Especially adapted to the Great Plains, the Mountain states, and the Southwest. It has never blighted with us.

5 to 6 feet .....	8.50	8.00
4 to 5 feet .....	7.50	7.00

<b>Scopulorum, Sutherland.</b> Green foliage, compact, bushy, semi-dwarf.		
3 to 3½ feet .....	5.75	5.25
2½ to 3 feet .....	5.25	4.75
2 to 2½ feet .....	4.60	4.25
<b>Virginiana burki.</b> Compact, pyramidal form, foliage distinctly blue.		
4 to 5 feet .....	7.25	6.75
3½ to 4 feet .....	6.50	6.00
3 to 3½ feet .....	5.75	5.25
2½ to 3 feet .....	5.25	4.75
<b>Virginiana Canaerti.</b> Pyramidal evergreen with very dark green whipcord foliage. One of the finest of all upright evergreens.		
4 to 5 feet .....	7.75	7.00
3½ to 4 feet .....	6.85	6.25
3 to 3½ feet .....	6.00	5.50
<b>Virginiana Cupressifolia.</b> Resembles Canaerti juniper in color and form but grows faster.		
4 to 5 feet .....	7.25	6.75
3½ to 4 feet .....	6.50	6.00
3 to 3½ feet .....	5.75	5.25
<b>Virginiana Henryi.</b> Dark green foliage, symmetrical pyramidal habit of growth.		
4 to 5 feet .....	7.15	6.50
3½ to 4 feet .....	6.50	6.00
3 to 3½ feet .....	5.75	5.25



## EVERGREENS (Continued)

## JUNIPERUS (Continued)

	Per 10 Each	Per 100 Each
<b>Keteleeri.</b> Compact pyramidal form with ascending branches and dark green whipcord foliage.		
4 to 5 feet .....	7.15	6.50
3 to 4 feet .....	6.00	5.50

**Virginiana Hills (Hill's Dundee J).** Typical red cedar form, but dark green. Very compact foliage turning plum color in winter. A variety to be highly recommended.

5 to 6 feet .....	8.25	7.50
4 to 5 feet .....	7.15	6.50
3 to 4 feet .....	6.00	5.50
2 to 3 feet .....	5.25	4.75

**Virginiana, Williams & Harvey.** Blue-green foliage. Very sturdy tree with strong branches. Broad pyramidal form.

5 to 6 feet .....	8.25	7.50
4 to 5 feet .....	7.15	6.50

## TAXODIUM (See Bald Cypress under Shade Trees)

## THUJA (Arbor Vitae)

**Orientalis.** (Chinese Arbor Vitae). Sheared, compact. This is a very desirable tree for hedges. Withstands heat and drought.

5 to 6 feet .....	5.50	5.00
4 to 5 feet .....	4.40	4.00
3 to 4 feet .....	3.30	3.00
2 to 3 feet .....	2.50	2.25

**Aurea nana (Berckman's Golden A. V.).** Semi-dwarf oval-shaped tree, with golden foliage. Very compact.

3 to 3½ feet .....	4.75	4.25
2½ to 3 feet .....	4.00	3.50
2 to 2½ feet .....	3.40	3.00
18 to 24 inches .....	2.90	2.50
15 to 18 inches .....	2.25	2.00
12 to 15 inches .....	1.75	1.50

**Aurea Nana.** (Dwarf Berckman's Golden A. V.). Broader, more compact than the regular Berckmans.

3 to 3½ feet .....	5.25	4.50
2½ to 3 feet .....	4.15	3.75
2 to 2½ feet .....	3.65	3.25
18 to 24 inches .....	3.00	2.75
15 to 18 inches .....	2.50	2.25

**Bonita.** Dark green foliage. Dwarf globe shaped.

3½ to 4 feet .....	5.00	4.50
3 to 3½ feet .....	4.40	4.00
2½ to 3 feet .....	3.85	3.50
2 to 2½ feet .....	3.30	3.00
18 to 24 inches .....	2.75	2.50

**Crawford's Compact.** Dark green foliage. Broadly conical form. Compact.

4 to 5 feet .....	5.25	4.75
3 to 4 feet .....	3.85	3.50
2 to 3 feet .....	3.00	2.75
18 to 24 inches .....	2.50	2.25

**Excelsa.** Dark green foliage, hardy, best oriental type.

5 to 6 feet .....	6.50	6.00
4 to 5 feet .....	5.25	4.75
3 to 4 feet .....	3.85	3.50
2 to 3 feet .....	3.00	2.75
18 to 24 inches .....	2.50	2.25

## BROADLEAF EVERGREENS

**EUONYMUS FORTUNEI COLORATUS (Purpleleaf Wintercreeper).** Evergreen foliage that turns bronzy-red in autumn. Excellent ground cover.

	Per 10	Per 100
2 year, No. 1 .....	5.50	50.00
2 year, Medium .....	4.50	40.00
3 inch pots .....	3.00	25.00
2 inch pots .....	1.70	15.00

**EUONYMUS FORTUNEI, UPRIGHT. (Upright Euonymus Radicans). New.**

Grows upright naturally. Makes good shrubs and thick hedges. Can be staked and sheared into columns. Dark green leaves and stems the year round. Transplants easily bare root. We consider this one of the best and most useful broadleaf evergreens introduced in recent years.

10 to 15 inches .....	4.50	40.00
6 to 10 inches .....	3.50	30.00
2 inch pots .....	2.50	20.00

**EUONYMUS FORTUNEI MINIMUS.** Small dark green leaves. A creeping plant that will cling to brick, stone, stucco and rough boards. Use in rock gardens and on foundations and low walls.

3 inch pots .....	3.00	25.00
2 inch pots .....	2.50	20.00

**EUONYMUS PATENS.** Heavy, field-grown, large leaf variety for mass or formal plantings, or as individual specimens.

3 to 3½ feet, B & B .....	45.00	400.00
2½ to 3 feet, B & B .....	38.50	350.00
2 to 2½ feet, B & B .....	33.50	300.00
18 to 24 inches, B & B .....	25.00	225.00
15 to 18 inches, B & B .....	20.00	175.00

**EUONYMUS PATENS (Large Leaf).** These plants were grown especially for hedging purposes or may be lined out to grow on for sheared specimen plants.

18 to 24 inches .....	5.50	50.00
15 to 18 inches .....	4.50	40.00
10 to 15 inches .....	3.50	30.00

**EUONYMUS PATENS (Small Leaf).** Ideal for evergreen hedges. Makes a very bushy plant that may be allowed to grow informally, or by shearing can be made into a compact formal hedge anywhere from 10 inches to 3 feet high. Excellent substitute for boxwood in the middle-west. Use for boundary hedges, or for enclosing rose and flower gardens and for formal planting. This is an extremely useful plant.

**Can be planted any time of the year.** Transplants very easily with a minimum of loss.

15 to 18 inches, transplanted, well branched .....	5.00	45.00
10 to 15 inches, transplanted, well branched .....	4.00	35.00
6 to 10 inches, transplanted, well branched .....	3.00	25.00

**MAHONIA AQUIFOLIUM (Oregon Hollygrape).** Low growing, compact shrub with holly-like leaves which turn brilliant colors in autumn. Bright yellow flowers in spring followed by grape-like clusters of black berries.

18 to 24 inches, B & B .....	41.50	375.00
15 to 18 inches, B & B .....	35.00	300.00
12 to 15 inches, B & B .....	25.00	225.00



## PERENNIALS

All of the perennials offered here are field-grown, except as otherwise noted. We recommend express shipment for perennials, because they are too perishable for freight shipment.

### ASTER, HARDY PERENNIAL

Per 10 Per 100

<b>Blue Gem.</b> Large flowers, double, blue with yellow center. September until frost. One of the best. 3 to 4 feet .....	1.90	16.00
<b>Blue Gown.</b> The finest light blue. Large flowers, yellow center. Grows very compact. 3 to 4 feet .....	1.90	16.00
<b>Red Rover.</b> Early, free blooming. Deep rose red flowers, golden centers. Buds bright red. 2 to 4 feet .....	2.10	18.00
<b>Sam Banham.</b> Large feathery pure white. One of the earliest of the hardy asters to bloom. 2 feet. ....	1.90	16.00
<b>BELAMCANDA CHINENSIS (Blackberry Lily).</b> Long stemmed. lily-like flowers, orange spotted red. ....	1.40	12.00

### CHRYSANTHEMUMS

#### CUSHION

<b>Bronze Cushion.</b> Deep bronze turning to coppery-yellow bronze .....	2.10	18.00
<b>Commander.</b> Red daisy-like flowers with yellow center, double. ....	2.10	18.00
<b>Major Cushion.</b> Improved, brighter pink cushion. ....	2.10	18.00
<b>Pink Cushion.</b> Bright pink flowers on well formed plant. ....	2.10	18.00
<b>White Cushion.</b> Opens a delicate pink, turns pure white. ....	2.10	18.00

#### TALL GROWING

<b>Glow Worm. (Button Pompon).</b> Late, butter yellow—medium height. ....	2.40	20.00
<b>Hebe (Korean).</b> Light, bright pink. ....	2.40	20.00
<b>Louise Schling (Korean).</b> Good coppery-red .....	2.40	20.00
<b>Nellie Richardson.</b> Large lavender flowers, tall. ....	2.40	20.00
<b>No. 112.</b> Burnt orange, tall early, large flowers. ....	2.40	20.00
<b>September Dawn (English type).</b> Bright rosy pink and light bronze. ....	2.40	20.00
<b>Terry.</b> Medium size, double flowers, soft dark wine. ....	2.40	20.00

#### COREOPSIS (Tickseed)

<b>Mayfield Giant.</b> Best, large deep golden-yellow. ....	1.40	12.00
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<b>DICENTRA SPECTABILIS (Old-Fashioned Bleeding Heart).</b> Large heart-shaped pink flowers on gracefully drooping branches, early spring. 3 to 5 eye divisions. ....	4.50	40.00
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<b>FUNKIA LANCIFOLIA.</b> Lovely blue flowers on large spikes. Narrow dull green leaves; grows well in shade. ....	1.90	16.00
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#### HELIANTHUS

<b>Loddon's Gold. (Perennial Double Sunflowers).</b> One of the finest perennials for cutting. The flowers resemble double dahlias several inches across. Bright clear yellow. Produces a large (3 to 5 foot) well-branched plant, covered with flowers most of the summer and until killing frost. Thrives in hot weather and will withstand lots of drought. The flowers are long-lasting. Loddon's Gold is the best variety of this splendid perennial that we have found. ....	3.50	30.00
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**PERENNIALS (Continued)****Per 10 Per 100****GAILLARDIA (Blanket Flower)**

<b>Dazzler.</b> Large flowers, bright golden yellow with rich maroon-red center. ....	1.40	12.00
<b>Grandiflora.</b> Very large flowers of brilliant scarlet with copper hue. Petals tipped with yellow. ....	1.40	12.00

**HEMEROCALLIS****(Daylilies)**

By means of hybridization and selection, a wonderful new race of Hemerocallis has been created in recent years. There are so many hundreds of varieties that one who wants only a few becomes confused. For this reason, we are offering a selection of some of the best varieties in various colors to give you a succession of bloom from early summer until late fall.

<b>August Pioneer.</b> Chrome-yellow flushed red on outer half of petals. August-September. 35 inches. ....	1.80	15.00
<b>Bagdad.</b> A gay combination of orange-red, yellow, and madder brown. 42 inches. ....	1.80	15.00
<b>Dr. Regel.</b> Pure orange with scarlet eye. ....	1.80	15.00
<b>Florham.</b> Soft yellow, frilled, sweet scented. ....	1.40	12.00
<b>George Yeld.</b> Large canary yellow flowers brushed with red. Deep red throat with yellow star at base. July-August. 36 inches. ....	1.80	15.00
<b>Gold Dust.</b> Empire yellow. Rather dwarf. May. 24 inches. ....	1.40	12.00
<b>Hyperion.</b> Considered by many to be finest of all. Large waxy flowers of canary-yellow. July-August. 48 inches. ....	3.00	25.00
<b>Kwanso flore plena.</b> Rich orange, double petaled. ....	1.80	15.00
<b>Margaret Perry.</b> Brilliant flowers of orange-scarlet lined yellow. July-August. 48 inches. ....	1.80	15.00
<b>Middendorffiana.</b> Rich orange-yellow. ....	1.40	12.00
<b>Mikado.</b> Large rich orange with deep mahogany-red throat. June-July. 36 inches. ....	1.80	15.00
<b>Mrs. W. H. Wyman.</b> Soft yellow. July-August. 42 inches. ....	1.80	15.00
<b>Ophir.</b> Deep golden-yellow, 5 inch flowers. As many as 25 to 30 to a stem. 50 inches. ....	1.40	12.00
<b>Thunbergi.</b> Pale yellow flowers, evening blooming, sweet scented. July-August. 36 inches. ....	1.80	15.00
<b>Mixed Varieties.</b> ....	1.20	10.00

**IRIS KAEMPFERI****(Japanese Iris)**

Among the most beautiful of all iris, yet little known. Admired by all who see them. Bloom in June and July when other iris are through blooming. Large flat, showy flowers atop strong stems, 2 to 3 buds to each stem. Flowers bear a remarkable resemblance to orchids.

<b>Koko-no-iro.</b> Violet-purple, golden throat. ....	2.40	20.00
<b>Momyi-no-taki.</b> Double, deep royal red. ....	2.40	20.00
<b>Patrocle.</b> Superb dark violet, single. ....	2.40	20.00
<b>Purple &amp; Gold.</b> Double, rich purple, gold throat. ....	2.40	20.00

**IRIS GERMANICA****(Tall Bearded Iris)**

\$1.50 per 10      \$12.00 per 100

<b>Baldwin.</b> Dark purple, one of the best.	<b>Leota.</b> Creamy white.
<b>Crystal Beauty.</b> Gorgeous pure white. Perfect shape and flowers freely.	<b>October Blaze.</b> Brilliant red tone, fall blooming.
<b>Frieda Mohr.</b> Deep pink tone.	<b>Roseway.</b> Deep reddish pink, orange beard.
<b>Honorabilis.</b> Gold and mahogany brown.	<b>Snowking.</b> White with gold throat.
<b>Indian Chief.</b> One of the finest red iris.	<b>Violacea Grandiflora.</b> Rich violet purple.

## PERENNIALS (Continued)

	Per 10	Per 100
<b>IRIS OCHROLEUCA. (Yellow band Iris).</b> The best iris for cutting. Blooms after German Iris and before Japanese Iris.		
<b>Giganteum.</b> White standards. Yellow falls with white margin. ....	2.10	18.00
<b>Azure Fairy.</b> Some as Giganteum except standards have pale blue cast. ....	2.10	18.00
<b>IRIS PUMILA (Dwarf Iris)</b>		
<b>Lt. Chavagnac.</b> Pansy-violet, fragrant everblooming. ....	1.80	15.00
<b>Max.</b> Beautiful ruffled yellow. 6 inches. ....	1.80	15.00
<b>LATHYRUS (Perennial Sweet Pea)</b>		
<b>Pink Beauty.</b> ....	1.80	15.00
<b>Dark Red.</b> ....	1.80	15.00
<b>White Pearl.</b> ....	1.80	15.00
<b>LILY-OF-THE-VALLEY.</b> Spikes of tiny white bells, fragrant. 2 year pips. ....		
	.65	6.00
<b>LYTHRUM</b>		
<b>Morden's Pink.</b> Bright rosy-pink flowers on 28 inch spike. ....	1.90	16.00
<b>Prolifica.</b> Clear rose colored flowers on 28 inch spikes. ....	1.90	16.00
<b>PHLOX PANICULATA (Hardy Garden Phlox)</b>		
<b>Border Queen.</b> Clear pink. ....	2.10	18.00
<b>Caroline Vandenburg.</b> Large, clear lavender-blue. ....	2.10	18.00
<b>Chieftain.</b> Deep crimson, non-fading. ....	2.10	18.00
<b>Daily Sketch.</b> Salmon-pink, red eye. ....	2.10	18.00
<b>Dixie.</b> A Willis introduction, especially for the South. Bright orchid pink, large heads, tall; remarkable disease-free foliage. Withstands high temperatures and thrives in dry weather. ....	2.10	18.00
<b>Hauptman Koehl.</b> Large brilliant dark carmine. ....	2.10	18.00
<b>Leo Schlageter.</b> Clear, Brilliant scarlet. ....	2.10	18.00
<b>Miss Lingard.</b> Pure white, huge flower head. Finest white. ....	2.50	20.00
<b>Pinkette.</b> Soft delicate shade of pink. ....	2.10	18.00
<b>Ruby Lee.</b> Plum red, extra large. ....	2.10	18.00
<b>Royal Purple.</b> Dark violet blue, rose-violet eye. ....	2.10	18.00
<b>Sir John Falstaff. (New)</b> Rich luminous salmon-pink. ....	3.00	25.00
<b>World's Peace.</b> Large, pure white. ....	2.10	18.00
<b>PHLOX DIVARICATA (Sweet William Phlox).</b> Lavender-blue, fragrant flowers in early spring. Fine for naturalizing. 2 inch pots. ....		
	1.70	14.00
<b>PLUMBAGO LARPENTAE. (Lead Plant).</b> Dwarf spreading plant not over 6 to 8 inches high. Deep blue flowers, attractive foliage. Good border plant and desirable ground cover. 2 inch pots. ....		
	1.80	15.00
<b>SEDUM (Stonecrop).</b>		
<b>Sieboldi.</b> Creeping plant with blue foliage and pink flowers. Excellent rock garden plant. Best sedum. 2 inch pots. ....	2.50	20.00
<b>Spectabile Brilliant.</b> Deep pink, upright. ....	1.90	16.00
<b>STATICE LATIFOLIA (Great Sea Lavender).</b> Large leathery leaves at base of plant. Masses of small lavender flowers in broad heads. Cut flowers will last all winter. 2 inch pots. ....		
	1.80	15.00
<b>STOKESIA (Blue Moon).</b> Large, light blue disc-like flowers borne on strong stiff stems. Hardy, blooms freely throughout the summer. 2 inch pots. ....		
	2.10	18.00



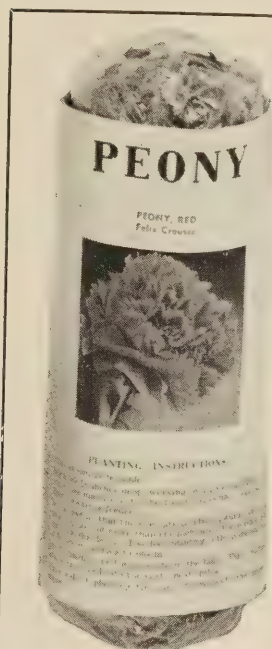
**PERENNIALS (Continued)**

	Per 10	Per 100
<b>VINCA. (Periwinkle).</b> Glossy green evergreen foliage. Excellent ground cover.		
<b>Minor.</b> 2 inch pots. ....	1.80	15.00
<b>Minor, Alba.</b> 2 inch pots. ....	2.10	18.00
<b>Minor, Bowles.</b> 2 inch pots. ....	2.10	18.00
<b>VIOLA ODORATA (Sweet Violet).</b>		
<b>White.</b> Large single flowers, compact, good novelty. ....	1.40	12.00
<b>Royal Robe.</b> Deep violet-blue shade; fragrant. ....	1.80	15.00

**PEONIES**

Standard 3 to 5 eye divisions from young plants not over three years old. We do not cut any flowers from our fields, so you can depend upon receiving strong healthy plants. Numbers in parentheses (8.6) denote ratings of the American Peony Society on the basis of 10 as perfect.

	Per 10	Per 100
<b>Duchess de Nemours.</b> (8.1). Sulphur-white fading to pure white. Cup-shaped. Midseason. ....	4.50	40.00
<b>Edulis Superba.</b> (7.6). Very double, very early, medium size. Clear, deep pink blooms; tall plants. ....	3.50	30.00
<b>Festiva Maxima.</b> (9.3). Very large, globular, double white flowers with flecks of crimson on center petals. Early bloomer. Very popular. Desirable for cut flowers. ....	4.50	40.00
<b>Felix Crousse.</b> (8.4). Blooms late midseason. Large double blossoms of bright ruby-red. ....	4.50	40.00
<b>Fontenelle.</b> Large dark red blooms in midseason; excellent for cutting. Desirable for cut flowers. ....	4.50	40.00
<b>Francois Ortegat.</b> (6.7). Semi-rose type. Large deep crimson with brilliant golden-yellow anthers. Fragrant. Midseason. ....	3.50	30.00
<b>Karl Rosenfield.</b> (8.8). Brilliant crimson blooms. Midseason. ....	5.50	50.00
<b>Mary Brand.</b> (8.7). Large dark clear crimson flowers, free-flowering. Midseason. ....	5.50	50.00
<b>Mme. de Verneville.</b> (7.0). Large white flowers with crimson markings. Early. ....	4.50	40.00
<b>Mme. Emile Galle.</b> (8.5). Large, double, light rose-pink. Fair rose fragrance. Late. ....	5.50	50.00
<b>Mons. Jules Elie.</b> (9.2). Very large double blooms of light rose pink borne on tall stems. Moderately fragrant, blooms early. Most effective as cut flower. ....	5.00	45.00
<b>Sarah Bernhardt.</b> (9.0). Uniform rose with silvery tips to petals. Late-flowering, semi-rose type, fragrant, late. ....	5.00	45.00
<b>Walter Faxon.</b> (9.3). Uniform bright rose, deepening toward center. Globular semirose-type; midseason. ....	5.50	50.00



### PACKAGED PEONIES

**Ideal for Cash-and-Carry, Self Serve, and Counter Sales. Fall and Spring.**

Large strong plants wrapped individually in attractive packages of snow-white coated paper, lined with waterproof paper and capped with moisture-resistant cellophane. Labeled with large pictures printed in four natural colors. Complete planting instructions on each package. Popular named varieties. Approximate shipping weight, 1 lb.

**Felix Crousse.** Large double flowers of bright ruby red. Blooms midseason.

**Edulis Superba.** Clear deep pink blossoms; double type. Early bloomer.

**Festiva Maxima.** White flowers flecked with crimson; double. Very popular.

**Karl Rosenfield.** Bright clear crimson; free flowering. Large. Midseason bloomer.

**Mons. Jules Elie.** Very large, early. Light rose-pink.

**\$37.50 per 100**

Please order in multiples of 10 of a variety. Minimum shipment: 50 plants or packages.



Air view of our new propagating plant.

# liners that live

TRADE MARK

**Better stands.** Pot plants have a better root system and stand the shock of transplanting better than bare root stock.

**Better growth.** Pot plants start off quicker and make a better first season growth; thus they are ready to market sooner.

**You can plant later.** Pot plants can safely be set out in the field much later than bare root stock. This gives you more planting time in your busy season. With irrigation you can plant nearly all summer.

## SHRUBS

	Per 10 Each	Per 100 Each
<b>Barberry</b>		
Mentorensis, 2¼ inch pots .....	.25	.20
<b>Callicarpa</b>		
Dichotoma, 2 inch pots .....	.20	.17
<b>CHAENOMELES (Flowering Quince)</b>		
Lagenaria, Glowing Ember, layers .....	.12	.10
<b>ELAEAGNUS (Russian Olive)</b>		
Angustifolia, 12-18 inches, seedling .....	.05	.04
Angustifolia, 6-12 inches, seedling .....	.03½	.03
<b>FORSYTHIA (Golden Bell)</b>		
Fortunei, 2 inch pots .....	.17	.15
Intermedia spectabilis, 2 inch pots .....	.17	.15
Lynwood Gold, 2 inch pots .....	.22	.20
Ovata, 2 inch pots .....	.17	.15
Spring Glory, 12-18 inches R.C. from beds .....	.17	.15
Spring Glory, 2 inch pots .....	.20	.17
<b>HYDRANGEA</b>		
Paniculata Grandiflora (Meehan) layers .....	.12	.10
<b>HYPERICUM (St. Johnswort)</b>		
Kalmianum, 2 inch pots .....	.20	.17
Hidcote, 2 inch pots .....	.25	.20
<b>KOLKWITZIA, (Beauty Bush)</b>		
Amabilis, 2 inch pots .....	.20	.17
<b>LIGUSTRUM (Privet)</b>		
Regel, rooted cuttings from 9 to 12 inches .....	.08	.07
Regel, rooted cuttings from 6 to 9 inches .....	.06	.05
Border (Obtusifolium) rooted cuttings 12-18 inches .....	.07	.06
Amur River North, rooted cuttings, 12-18 inches .....	.05	.04
<b>LONICERA (Honeysuckle)</b>		
Clavey's Dwarf, 2 inch pots .....	.30	.25
Korolkowi floribunda, 2 inch pots .....	.20	.17
Morrowi, 2 inch pots .....	.17	.15
Tatarica Zabeli, 2 inch pots .....	.17	.15
<b>PHILADELPHUS (Mock Orange)</b>		
Lemoinei, Avalanche, 2 inch pots .....	.20	.17
Lemoinei, Enchantment, 2 inch pots .....	.20	.17
Virginalis, 2 inch pots .....	.17	.15
<b>PHYSOCARPUS</b>		
Opulifolius nanus (Dwarf) 2 inch pots .....	.17	.15



**SHRUBS (Continued)**                      **LINERS (Continued)**

	Per 10 Each	Per 100 Each
<b>PRUNUS GLANDULOSA (Flowering Almond)</b>		
Rosea, 2 inch pots .....	.20	.17
<b>SALIX</b>		
Caprea, 2½ inch pots .....	.17	.15
<b>SAMBUCUS (Elder)</b>		
Canadensis aurea, 2½ inch pots .....	.17	.15
<b>SPIREA</b>		
Anthony Waterer, 2 inch pots .....	.20	.17
Arguta, 2 inch pots .....	.17	.15
Froebeli, 6-12 inches, rooted cutting .....	.12	.10
Froebeli, 2 inch pots .....	.17	.15
Japonica Coccinea, 2 inch pots .....	.20	.17
Reevesiana, Double, 2 inch pots .....	.25	.20
Reevesiana, Single, 2 inch pots .....	.17	.15
<b>VIBURNUM</b>		
Opulus, 2¼ inch pots .....	.17	.15
Opulus sterilis, 2¼ inch pots .....	.17	.15

**VINES**

<b>CELASTRUS (BITTERSWEET)</b>		
Scandens (fruiting strain) 2 inch pots .....	.17	.15
<b>EUONYMUS</b>		
Fortunei coloratus, 3 inch pots .....	.30	.25
Fortunei coloratus, 2 inch pots .....	.17	.15
<b>LONICERA (Honeysuckle)</b>		
Japonica halliana (Hall's) 2 inch pots .....	.15	.12
Japonica, Purple Leaf, 2 inch pots .....	.17	.15
Sempervirens magnifica, Dreer's Everblooming, 2 in. pots .....	.20	.17
Sempervirens, Yellow, 2 inch pots .....	.17	.15
Tellmanniana, 2 inch pots .....	.20	.17

**SHADE AND ORNAMENTAL TREES**

	Per 100 Each	Per 1000 Each
<b>ACER SACCHARINUM (Soft or Silver Maple)</b>		
18 to 24 inches .....	.05	.04
12 to 18 inches .....	.03½	.03
<b>CATALPA SPECIOSA (Western Catalpa)</b>		
18 to 24 inches .....	.03½	.03
12 to 18 inches .....	.02½	.02
6 to 12 inches .....	.02	.01½
<b>CELTIS OCCIDENTALIS (Hackberry)</b>		
12 to 18 inches .....	.05	.04½
6 to 12 inches .....	.03½	.03
<b>CERCIS CANADENSIS (Red Bud)</b>		
12 to 18 inches .....	.05	.04
6 to 12 inches .....	.03½	.03
<b>ELEAGNUS ANGUSTIFOLIA (Russian Olive)</b>		
18 to 24 inches .....	.05½	.05
12 to 18 inches .....	.04	.03½
6 to 12 inches .....	.03	.02½
<b>FRAXINUS LANCEOLATA (Green Ash)</b>		
18 to 24 inches .....	.03½	.03
12 to 18 inches .....	.02½	.02
6 to 12 inches .....	.02	.01½

## LINERS (Continued)

## SHADE AND ORNAMENTAL TREES (Continued)

	Per 100 Each	Per 1000 Each
<b>GLEDITSIA TRIACANTHOS INERMIS (Thornless Honeylocust)</b>		
12 to 18 inches .....	.03½	.03
6 to 12 inches .....	.02½	.02
<b>MACLURA POMIFERA (Osage Orange)</b>		
2 to 3 feet .....	.04	.03½
18 to 24 inches .....	.03	.02½
12 to 18 inches .....	.02½	.02
<b>MORUS ALBA TATARICA (Russian Mulberry)</b>		
2 to 3 feet .....	.06	.05
18 to 24 inches .....	.04	.03½
12 to 18 inches .....	.02½	.02
<b>POPULUS CANADENSIS EUGENEI (Carolina Poplar)</b>		
3 to 4 feet, whips .....	.08	.07
2 to 3 feet, whips .....	.06	.05
<b>POPULUS NIGRA ITALICA (Lombardy Poplar)</b>		
3 to 4 feet, whips .....	.09	.08
2 to 3 feet, whips .....	.07	.06
12 to 18 inches, whips .....	.05	.04
<b>PRUNUS BESSEYI (Hansens Bush Cherry)</b>		
18 to 24 inches .....	.06½	.06
12 to 18 inches .....	.05½	.05
6 to 12 inches .....	.03	.02½
<b>QUERCUS PALUSTRIS (Pin Oak)</b>		
18 to 24 inches .....	.12	.10
12 to 18 inches .....	.08½	.07½
6 to 12 inches .....	.06	.05½
<b>QUERCUS RUBRA (Red Oak)</b>		
12 to 18 inches .....	.09	.08
6 to 12 inches .....	.07	.06
<b>ROBINIA PSEUDOACACIA (Black Locust)</b>		
2 to 3 feet .....	.04	.03½
18 to 24 inches .....	.03	.02½
12 to 18 inches .....	.02½	.02
<b>ROBINIA PSEUDOACACIA (Black Locust)</b>		
2 to 3 feet .....	.04	.03½
18 to 24 inches .....	.03	.02½
12 to 18 inches .....	.02½	.02
<b>ULMUS AMERICANA (American Elm)</b>		
12 to 18 inches .....	.02½	.02
6 to 12 inches .....	.02	.01½
<b>ULMUS CARPINIFOLIA (Buisman Elm)</b>		
2 inch pots .....	.50	—
<b>ULMUS PUMILA (Chinese Elm)</b>		
3 to 4 feet .....	.07	.06
2 to 3 feet .....	.05	.04
18 to 24 inches .....	.04	.03
12 to 18 inches .....	.03	.02
<b>ZELKOVA SERRATA (Jap. Keaki Tree)</b>		
2½ inch pots .....	.50	—

## EVERGREENS

## JUNIPERUS

## Hetzi glauca

	Per 100 Each	Per 1000 Each
2½ inch pots, 2 year .....	.30	.25
2¼ inch pots .....	.20	.17

## LINERS (Continued)

### JUNIPERUS (Continued)

	Per 100 Each	Per 1000 Each
<b>Horizontalis plumosa, (Andorra)</b>		
2½ inch pots, 2 year .....	.30	.25
2¼ inch pots .....	.20	.17
<b>Sabina</b>		
2½ inch pots, 2 year .....	.30	.25
2¼ inch pots .....	.20	.17
<b>Sabina tamariscifolia</b>		
2½ inch pots, 2 year .....	.30	.25
2¼ inch pots .....	.20	.17
<b>Sabina von ehron</b>		
2½ inch pots, 2 year .....	.30	.25
2¼ inch pots .....	.20	.17
<b>THUJA (Arbor Vitae)</b>		
<b>Orientalis (Chinese A. V.)</b>		
10 to 15 inches, seedlings .....	.12	.10
6 to 10 inches, seedlings .....	.07	.06

## BROADLEAF EVERGREENS

### EUONYMUS

<b>Fortunei coloratus</b>		
3 inch pots .....	.30	.25
2 inch pots .....	.17	.15
<b>Fortunei minimus</b>		
3 inch pots .....	.30	.25
2 inch pots .....	.25	.20
<b>Fortunei upright</b>		
2 inch pots .....	.25	.20
<b>Patens, large leaf</b>		
2 inch pots .....	.17	.15
<b>Patens, small leaf</b>		
2 inch pots .....	.25	.20

## FRUIT TREE SEEDLINGS

Ready for shipment in January

300 or more of same variety and grade at 1000 rates.

### APPLE SEEDLINGS

	Per 100	Per 1000
No. 2, 2/16 to 3/16 inch, straight .....	3.00	25.00
No. 3, about 2/16 inch .....	2.10	18.00
Special Grade. Straight collar, short roots.		
2/16 inch and up. Ideal for wholesale grafting .....	3.00	25.00

### PEAR SEEDLINGS

**Calleryana.** We have had better success with Calleryana pear seedlings than any other pear understock. The bark does not tighten so quickly in hot weather, thus giving a longer budding season.

¼ inch and up, branched .....	5.00	45.00
No. 1, 3/16 to ¼ inch .....	4.50	40.00
No. 2, 2/16 to 3/16 inch .....	4.00	35.00
No. 3, about 2/16 inch .....	3.00	25.00



## EVERGREEN GRAFTS

For many years we have made Evergreen Grafts for our own planting. With our greatly expanded propagating facilities we are now able to offer them to the trade. We have employees who are skilled in this art so you will be pleased with our grafts.

50¢ each in lots of 300 or more.

55¢ each in lots of less than 300.

All in 2¼" pots.

Minimum order: 25 of any one variety.

### JUNIPERUS (Juniper)

*Juniperus virginiana* understock.

Chinensis columnaris, Blue	Scopulorum, Cologreen
Chinensis columnaris, Green	Scopulorum, Pathfinder
Chinensis pfitzeriana, Blue	Scopulorum, Sutherland
Kosteriana plumosa	Scopulorum, Welchi
Scopulorum, Select Blue	Virginiana burki
Scopulorum, Chandler	Virginiana canaerti
Scopulorum, Crawford's	Virginiana cupressifolia
Scopulorum horizontalis	Virginiana keteleeri
Scopulorum, Moffeti	Virginiana, Hills Dundee

### THUJA (Arbor Vitae)

*Thuja orientalis* understock.

Aurea Nana	Crawford's Compact
Aurea Nana, Dwarf	Excelsa
Bonita	

### CUPRESSUS (Cypress)

*Thuja orientalis* understock.

Arizonica (Hardy at Ottawa for many years)

### JUNIPERUS SCOPULORUM

Plant Pat. No. 1070

NEW! Recently introduced by us. Brilliant silvery-blue color retained the year around. Dense foliage, requiring very little shearing to make compact and symmetrical. It has never blighted with us.

Grafts \$1.00 each.

OTHER VARIETIES GRAFTED ON SPECIAL ORDER.

## FRUIT TREES

The height given for fruit trees is approximate and represents the average height for most varieties. It is intended that the caliper shall govern.

Fruit trees are tied in bundles of 10 for 11-16 and 9-16; bundles of 20 for 7-16 and 5-16. Order in full bundles.

### APPLES

#### TWO YEAR GRAFTS

	Per 10	Per 100	Per 1000
9-16 to 11-16 inch, 4 feet up .....	6.50	60.00	550.00
7-16 to 9-16 inch, 3 feet up .....	5.50	50.00	450.00
5-16 to 7-16 inch, 2 feet up .....	4.00	36.00	320.00

S. Summer; F. Fall; W. Winter; C. Commercial; H. Home

↘ Anoka. S. H. Red, mottled yellow.	↘ McIntosh. Dark Red. W. C. Red.
↘ Delicious. Dark Red. W. C. H. Red.	↘ Rome Beauty. Red. W. C. Red.
↘ Delicious Yellow. W. C. Yellow.	↘ Stayman. Dark Red. W. C. Red.
↘ Duchess. Red. S. H. Red.	↘ Wealthy. F. C. Red.
↘ Early Harvest. S. H. Yellow.	↘ Whitney Crab. F. H. Yellow & red.
↘ Grimes Golden. W. C. Yellow.	↘ Winesap. W. C. Red.
↘ Jonathan. Dark Red. W. C. H. Red.	↘ Yellow Transparent. S. H. Yellow.
↘ Lodi. W. C. Yellow.	

### MULTIPLE APPLES

Dormant budded summer of 1953 on 2 year old, branched trees of Yellow Delicious. Heavy growth on all varieties budded which include Red Jonathan, Red Stayman, Anoka, Dark Red Delicious, Yellow Transparent.

	Per 10	Per 100
↘ 5-in-1, 11-16 inch, 5 to 6 feet .....	17.50	160.00
5-in-1, 9-16 inch, 4 to 5 feet .....	15.00	140.00
↘ 4-in-1, 11-16 inch, 5 to 6 feet .....	13.50	125.00
4-in-1, 9-16 inch, 4 to 5 feet .....	11.00	100.00
↘ 3-in-1, 9-16 inch, 4 to 5 feet .....	8.50	80.00

### CHERRIES—SOUR

#### TWO YEAR

	Per 10	Per 100
One inch and up, 4 feet and up .....	13.50	125.00
11-16 to 1 inch, 4 feet and up .....	11.00	100.00
9-16 to 11-16 inch, 3½ feet and up .....	10.00	90.00

↘ Early Richmond. Dark red, early. ↘ Montmorency. Dark red, midseason.

### PEACHES

#### ONE YEAR BUDS

	Per 10	Per 100
9-16 to 11-16 inch, 4 feet and up .....	6.50	60.00
7-16 to 9-16 inch, 3 feet and up .....	5.00	45.00
5-16 to 7-16 inch, 2 feet and up .....	4.00	35.00

↘ Champion. White, midseason, free. ↘ Halehaven. Yellow, early, free.  
 ↘ Early Elberta. Yellow, midseason. ↘ J. H. Hale. Yellow, midseason.  
 ↘ Elberta. Yellow, midseason. ↘ Red Haven. Yellow, early, free.  
 ↘ Golden Jubilee. Yellow, early free.





## GARDEN ROOTS

		Per 100	Per 1000
<b>ASPARAGUS.</b>			
Washington. 2 year.	.....	3.00	25.00
<b>RHUBARB.</b>			
Chipman's Canada Red. Strong divisions.	.....	Per 10 4.50	Per 100 40.00
<b>Giant Victoria . Whole roots.</b>			
1 to 1 1/2 inch	.....	Per 100 8.50	Per 1000 80.00
5/8 to 1 inch	.....	6.50	60.00
1/2 to 5/8 inch	.....	5.50	50.00

**B. F. GOODRICH**

## RUBBER STRIPS

FOR BUDDING, GRAFTING, AND TYING

B. F. Goodrich Budding Strips

PRICES (Per Pound)	.010" Gauge	.016" Gauge	.020" Gauge
1-5 lbs	\$2.75 lb. ppd.	\$2.50 lb. ppd.	\$2.40 lb. ppd.
5-45 lbs.	2.37 lb.	2.14 lb.	2.00 lb.
50-95 lbs	1.82 lb.	1.64 lb.	1.54 lb.
100-495 lbs.	1.64 lb.	1.48 lb.	1.38 lb.
500 lbs. and over	1.48 lb.	1.34 lb.	1.24 lb.

PACK: 5 lb. Paper Bags — 50 lb. per case.

**TRANSPORTATION TERMS:** f.o.b. Ottawa, Kansas, except on 1 to 5 lb. lots which are postpaid. On shipments direct from the factory, freight prepaid or allowed at minimum rate on shipments of 100 lbs. or over. Prices subject to change without notice. Shipments will be invoiced at prices in effect at time of shipment.

No.	Color	Length	Cut	Thickness	Approximate Count Per Lb.
17406	Red	4"	1/4 "	.016"	1650
17411	Red	5"	3/16 "	.016"	1700
17143	Red	4"	3/16 "	.020"	1800
17231	Red	5"	3/16 "	.020"	1450

**YOU CAN HAVE EXTRA PROFITS  
With WILLIS**

# **Packaged Nursery Stock**

Ideal for cash-and-carry, self serve, and counter sales. No special facilities required for handling this packaged stock.

**QUICK TURN-OVER — LONG PROFIT**

For many years, ever since 1926, the Willis Nursery Company has specialized in the packaging of nursery stock. We are, in fact, one of the pioneers in this field of merchandising. We know what varieties of nursery stock the public wants, and we know how to prepare it in a manner that is attractive to the customer and convenient to handle.

**LET US HELP YOU CASH IN  
ON NEW PROFITS**

Every plant is wrapped in heavy waterproof crinkle-kraft paper, with peat and wood moss packing around the roots. Color picture-tags attached to each plant make sales easy. Planting instructions on every package.

**A COMPLETE LINE OF PACKAGED  
NURSERY STOCK**

- ROSES
- SHRUBS
- HEDGE PLANTS
- VINES
- SHADE TREES
- FLOWERING TREES
- PERENNIALS
- FRUIT TREES
- BERRY PLANTS

**Write for special list.**



## GREEN ENAMEL PLANTAINERS

### NO MORE SEASONAL LIMITATIONS TO SALES

**PLANTAINER**-grown nursery stock can be confidently sold and planted from early spring to late fall. Nurseries, garden shops and plant marts no longer class container-grown plant as perishable. Flowering shrubs and trees can be sold at the height of their most attractive period. Uniform eye appeal—attractive **PLANTAINERS** improve the appearance of all evergreens, trees, shrubs and make possible a better product in a far better sales package. No messy burlap or tar paper—just tap your **PLANTAINER** and the plant is ready to grow with an undisturbed root system. No setback—No losses!

### CONTROL THE VARIABLES IN YOUR GROWING OPERATION

Every variety of tree or shrub can be grown in the soil mixture best suited to its requirements, and the nutrient level of this mixture readily maintained. No expensive plant food or water is wasted on weed crops, headlands, or between field rows. Drought periods do not exist with **PLANTAINER** culture.

### LOWER PRODUCTION COSTS

No expensive digging or baling of plants . . . **PLANTAINER** stock is ready to deliver at all times. More salable plants can be grown in less space. One acre will actually hold 184,240 **PLANTAINERS**. If one half of this theoretical acre were devoted to walks, service drives and display areas, there would still be space for 92,120 **PLANTAINER** items.

### HERE IT IS IN A NUTSHELL

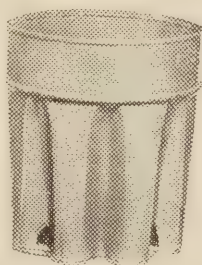
1. Healthier plants—stronger root system—attested to by satisfied users.
2. Tapered and crimped—permits nesting—space and time saving.
3. Have no rough edges—no serious hand and finger cuts.
4. Made of metal—durable—unbreakable.
5. Clean and sanitary—don't attract vermin and flies.
6. Painted green (baked enamel).
7. Enhance the beauty of plants and flowers.
8. Outlast other nursery cans—result—economy!—larger profits.

WEIGHT 10 OUNCES

HEIGHT  $6\frac{7}{8}$  INCHES

DIAMETER — TOP 6 INCHES

BOTTOM —  $5\frac{11}{16}$  INCHES



Prices f.o.b. Ottawa, Kansas

1 to 1000	.....	.10
1,000 to 10,000	.....	.09½
10,000 to 20,000	.....	.09
20,000 to 30,000	.....	.08
30,000 to 40,000	.....	.07

Write for prices on minimum carload (42,000) f.o.b. your city.

(One Gallon Size)

**When you need containers**  
**. . . Buy *Plantainers***





Postage  
Will Be Paid  
by  
Addressee

No  
Postage Stamp  
Necessary  
If Mailed in the  
United States

**BUSINESS REPLY ENVELOPE**

First Class Permit No. 3, Sec. 34.9 P. L. & R. Ottawa, Kansas

**THE WILLIS NURSERY COMPANY**  
**OTTAWA,**  
**KANSAS**





## Ottawa, Kansas

**PHONE 25**

DATE \_\_\_\_\_ 19\_\_\_\_

SHIP TO \_\_\_\_\_

TOWN \_\_\_\_\_ STATE \_\_\_\_\_

SHIPPING DATE \_\_\_\_\_ AMT. ENCLOSED \$ \_\_\_\_\_

SHIP BY: ☐ EXPRESS ☐ PARCEL POST ☐ RAIL FREIGHT ☐ MOTOR FREIGHT ☐ CALL FOR

**Fold  
and Seal**

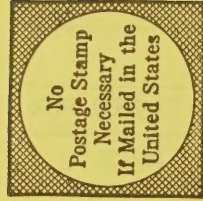
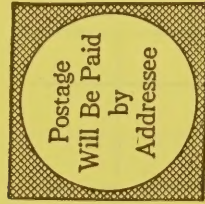
THIS FLAP IS GUMMED, READY TO SEAL  
NO ENVELOPE NECESSARY

**Introducers of Goldflame Honeysuckle, Dixie Phlox, Platinum Juniper**

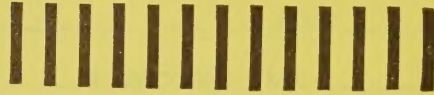


City and State  
Address  
Name

RETURN ADDRESS



BUSINESS REPLY ENVELOPE  
First Class Permit No. 3, Sec. 34.9, P. L. & R., Ottawa, Kansas



We Grow:

Evergreens  
Shrubs  
Shade Trees  
Fruit Trees  
Hedge Plants  
Vines  
Grape Vines  
Berry Plants  
Garden Roots  
Roses  
Perennials  
Bulbs  
Lining-Out Stock  
Forest Tree Seedlings

Ask for Descriptions  
and Prices

SOME OF OUR  
SPECIALTIES:

Goldflame Honeysuckle  
Red Gold Honeysuckle  
Rose Acacia Standards  
Moraine Locust  
Glowing Ember Quince  
Nikko Blue Hydrangea  
Silver Lace Vine  
Boston Ivy  
Bolleana Poplar  
Flowering Crabs  
Japanese Iris  
Packaged Nursery Stock

THE WILLIS NURSERY CO.

OTTAWA,

KANSAS

Ordered all items needed?  
Specified grades and varieties desired?  
Given shipping dates?  
Stated method of shipment?

HAVE YOU



# Supplies For Nurserymen and Florists

**PRICES** on all supplies subject to change without notice.

**TERMS** on all supplies are net cash.

**"Beginning in the Nursery Business."** A 50-page booklet of valuable suggestions and counsel for nurserymen of limited experience postpaid. \_\_\_\_\_ \$ .50

**Bud Strips, Rubber.** (See page 45.)

**New Garden Encyclopedia.** A complete, practical, and convenient guide to every detail of gardening. Illustrated with 250 half-tones and more than 500 line drawings, 1,380 pages. Not postpaid \_\_\_\_\_ 5.00

**Platebook, New.** 64 pages of full color illustrations and descriptions of shrubs, evergreens, shades and ornamentals, hedges, roses, perennials, and bulbs, postpaid—each. \_\_\_\_\_ 2.50

**Catalogue Plate Book.** 48 pages, 95 plates, 82 in colors, postpaid. \_\_\_\_\_ .50

**Calipers, Tree.** Measures fraction of inch, millimeters, each. \_\_\_\_\_ 1.00

**Grafting Tape.** 60-yard roll, ½ inch wide. Per roll (postage extra). \_\_\_\_\_ 1.00  
25 rolls or more, not postpaid. \_\_\_\_\_ each .90

**Labels, Tree.** Wooden, notched, iron wire, 3½ inch, plain, per 1,000 not postpaid. \_\_\_\_\_ 3.50

**Labels, Tree.** Wooden, notched, copper wire, 3½ inch, painted, per 1,000, not postpaid. \_\_\_\_\_ 4.50

**Labels, Paper Strap.**  
Made of tough manila paper 6 x ½ inches. Sold only in packages of 1,000; per 1,000 not postpaid. \_\_\_\_\_ 1.25

**Labels, Pot.** Wooden, 5⁄8 inch wide.

	Packed in Carton	Plain Per 1,000	Painted Per 1,000
4 inch	1,000	2.75	3.15
5 inch	1,000	3.00	3.60
6 inch	1,000	3.30	4.00
8 inch	500	5.00	6.00
10 inch	500	6.00	7.00

**Pencils.** Waterproof, for labels and tags, per dozen, postpaid. \_\_\_\_\_ 1.25

## BOXING CHARGES

30 x 30 x 12 ---\$8.45	24 x 24 x 10 ---\$6.15	20 x 20 x 8 ---\$4.65
30 x 30 x 10 --- 7.40	24 x 24 x 8 --- 5.30	20 x 20 x 6 --- 4.00
30 x 30 x 8 --- 6.35	24 x 24 x 6 --- 4.60	16 x 16 x 10 --- 4.65
24 x 30 x 10 --- 6.75	20 x 20 x 12 --- 6.00	16 x 16 x 6 --- 3.50
24 x 24 x 12 --- 7.00	20 x 20 x 10 --- 5.35	16 x 16 x 8 --- 4.00

## CORRUGATED BOXES

24 x 15 x 18 ---\$ .60	23 x 11½ x 7½ \$ .35	17½ x 4½ x 7½ \$ .25
23 x 16½ x 7½ .40	13½ x 11½ x 9 .30	

**BALES.** Baling charges are at actual cost.





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*"Your Wholesale Nurserymen"*

**WILLIS NURSERY COMPANY**

**OTTAWA, KANSAS**